

NO WAY THROUGH



GLAND PACKINGS

GASKET MATERIALS





ISO 9000 Certificates

Quality Statement

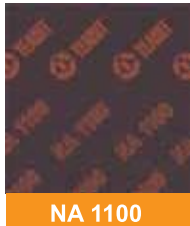
The Teadit Group is comprised of TOTAL QUALITY MANAGEMENT companies and is committed to highest customer satisfaction through innovative product development, cost effective manufacturing, finished goods inventory and efficient customer service... all performed by empowered employees committed to continuous improvement.

The Teadit Group manufacturing plants operate under ISO 9001 certification. Please see the display of current certificates on this page.



NON-ASBESTOS GASKET SHEETS

NOTE :- standard sheet size is 1,500mm x 1,600mm : available in all popular thicknesses with anti-stick coating on one side. Sheet colours may vary from those in photographs. Larger sheets available on indent order.



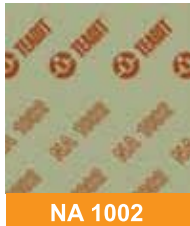
NA 1100 (-35°C)-(+450°C) 130 BAR
ASTM F712230-M6 **BLACK COLOUR**

Premium grade, universal sheet packing with high thermal resistance characteristics. Manufactured from carbon and graphite fibers with **NBR** binder.

Suitable for sealing petroleum derivatives, solvents, water, steam, gases and general chemicals.

ASTM F152 tensile strength 17 MPa. BS2815 residual stress 25 N/mm³.

KTW and DVGW approved.



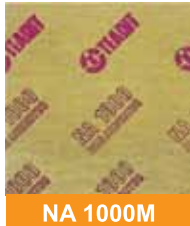
NA 1002 (-35°C)-(+400°C) 110 BAR
ASTM F712230-M5 **GREEN COLOUR**

Universal sheet packing manufactured from aramid fiber with **NBR** binder.

Suitable for sealing petroleum derivatives, water, saturated steam, gases and general chemicals. Exceptional performance in gas applications.

ASTM F152 tensile strength 13 MPa. BS2815 residual stress 23 N/mm³.

KTW and DVGW approved.



NA 1000M (-35°C)-(+380°C) 100 BAR
ASTM F713230-M6 **GREEN OR BLACK COLOUR**

A wire reinforced universal sheet packing manufactured from aramid fiber with **NBR** binder.

Suitable for sealing petroleum derivatives, solvents, saturated steam and chemical products in general.

The wire reinforcement provides greater strength on narrow flanges and added resistance to dry heat.

ASTM F152 tensile strength 20 MPa. BS2815 residual stress 23 N/mm³.

KTW and DVGW approved.



NA 1020 380°C 70 BAR
ASTM F713240-M4 **WHITE COLOUR**

Multi-purpose sheet packing manufactured from aramid fiber with **SBR** binder.

Suitable for sealing steam, gases, mild acids, alkalies and chemicals in general.

ASTM F152 tens KTW approved.

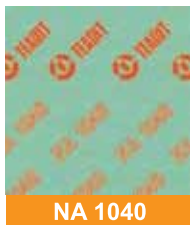


NA 1005 (-35°C)-(+400°C) 110 BAR
ASTM F712230-M5 **GREEN OR BLUE COLOUR**

Universal sheet packing manufactured from aramid and cellulose fibers with **NBR** binder.

Suitable for sealing petroleum derivatives, water, condensed steam and chemical products in general.

ASTM F152 tensile strength 12 MPa. BS2815 residual stress 21 N/mm³.

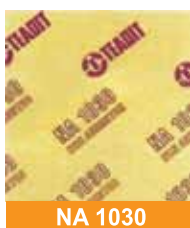


NA 1040 (-35°C)-(+210°C) 50 BAR
ASTM F713230-M4 **YELLOW OR GREEN COLOUR**

Universal sheet packing manufactured from cellulose fiber with **NBR** binder.

Suitable for sealing water, petroleum derivatives and chemicals in general (within stated temperature limit).

ASTM F152 tensile strength 8 MPa. BS2815 residual stress 17 N/mm³.



NA 1030 (-40°C)-(+210°C) 50 BAR
ASTM F712650-M4 **GREEN COLOUR**

Multi-purpose sheet packing manufactured from cellulose fiber with **SBR** binder.

Suitable for sealing water, condensed steam and neutral solutions in general (within stated temperature limit).

ASTM F152 tensile strength 9 MPa. BS2815 residual stress 21 N/mm³.



NA 1085 (-45°C)-(+240°C) 70 BAR ACID RESISTANT
ASTM F712000-M6 BLUE COLOUR

Sheet packing manufactured from aramid fiber with **HYPALON** rubber binder.
This gasket material offers excellent chemical and mechanical resistance and is, therefore, suitable for sealing strong acids and chemical products in general (e.g. :- sulphuric acid, etc.)..
ASTM F152 tensile strength 18 MPa. BS2815 residual stress 20 N/mm³.
Thickness increase in 25% concentrated acids : HCl = 5%, HNO₃, = 7%, H₂SO₄ = 30%.
Weight increase in 25% concentrated acids : HCl = 5%, HNO₃, = 8%, H₂SO₄ = 20%.

APPROVALS

Where stated :-
DVGW (Deutscher Verein des Gas- und Wasserfaches e.V.) have tested and approved the materials for use in flange joints of pipe conduits (gas fittings, gas mains and gas equipment).
KTW have tested and approved the materials according to the recommendation of the Public Health Office for use with potable water.

ASTM ALL TEADIT gasket sheets are manufactured in **ISO 9001 certified** factories and fully tested in accordance with ASTM procedures.

RECOMMENDATION CHART																
Fluids																
	Mild Inorganic Acids	Mild Organic Acids	Strong/Oxidizing Inorg. Acids	Strong Organic Acids	Concentrated Alkalies	Diluted Alkalies	Water	Air	Industrial Gases	Animal Oils	Synthetic Oils	Vegetable Oils	Petroleum & Derivatives	General Chemicals	Aliphatic Solvents	Aromatic Solvents
Styles																
	Chlorinated Solvents	Oxygenated Solvents	Brine	Neutral Solutions	Refrigerants	Saturated Steam										
NA 1085	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NA 1040	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NA 1030	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NA 1002 - 1005	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NA 1000M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NA 1100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

GASKET CUTTING TOOLS



OR GASKETS CUT TO ORDER





Physical Properties - Teadit Compressed Non-Asbestos Sheet Materials

Producer Type	TEADIT NA 1100	TEADIT NA 1002	TEADIT NA 1000M	TEADIT NA 1005	TEADIT NA 1040	TEADIT NA 1030	TEADIT NA 1085
Fiber	Carbon & Graphite	Aramid	Aramid	Aramid & Cellulose	Cellulose	Cellulose	Aramid
Binder	NBR	NBR	NBR/Steel-insert	NBR	NBR	SBR	HYPALON
Colour	BLACK	GREEN	GREEN / BLACK	GREEN / BLUE	YELLOW/ GREEN	GREEN	BLUE
Maximun Temperature(°C)	450	400	380	400	210	210	240
Temperature Continuous Maximum(°C)	270	260	200	240	200	200	200
Pressure Maximum (bar)	130	110	100	110	50	50	70
Pressure Continuous Maximum (bar)	70	80	40	50	20	20	50
Residual stress DIN52913 (N/mm²)	35	36	-	28	26	26	28
Density (g/cm³)	1.65	1.95	1.9	1.75	1.8	1.8	1.7
Compressibility (%)	5 - 15	5 - 15	10 - 20	7 - 17	5 - 15	7 - 17	5 - 15
Recovery - minimum (%)	50	50	40	45	45	48	40

NOTE: Values shown throughout this Compressed Non Asbestos Sheets Physical Properties Table are typical.Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult with TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications subject to change without notice;this edition cancels all previous issues.

Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Acetaldehyde	B	B	B	B	B	B	C
Acetamide	A	A	A	A	A	C	B
Acetic Acid (T < 90°C)	A	A	A	A	A	A	A
Acetic Acid (≥ 90°C)	C	C	C	C	C	C	A
Acetic Anhydride	C	C	C	C	C	C	A
Acetone	C	C	C	C	C	B	B
Acetonitrile	C	C	C	C	C	-	-
Acetophenone	C	C	C	C	C	C	C
Acetylene	A	A	A	A	A	B	B
Acrylic Acid	B	B	B	B	B	-	-
Acrylonitrile	C	C	C	C	C	C	C
Adipic Acid	A	A	A	A	A	B	A
Air	A	A	A	A	A	A	A
Aluminum Acetate	A	A	A	A	B	B	A
Aluminum Chloride	A	A	A	A	A	A	A
Aluminum Fluoride	A	A	A	A	A	A	A
Aluminum Nitrate	A	A	A	A	A	A	A
Aluminum Sulfate	A	A	A	A	A	B	A
Alums	A	A	A	A	A	A	A
Ammonia - Cold (Gas)	A	A	A	A	A	A	A
Ammonia - Hot (Gas)	C	C	C	C	C	C	B
Ammonia - Liquid , Anhydrous	B	B	B	B	B	C	B
Ammonium Carbonate	C	C	C	C	C	A	C
Ammonium Chloride	A	A	A	A	A	A	A



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Ammonium Hydroxide 30% (T < 50°C)	A	A	A	A	B	C	A
Ammonium Nitrate	A	A	A	A	A	A	A
Ammonium Phosphate	A	A	A	A	A	A	A
Ammonium Sulfate	A	A	A	A	A	B	A
Amyl Acetate	B	B	B	B	B	B	C
Amyl Alcohol	B	B	B	B	B	B	A
Aniline	C	C	C	C	C	B	C
Aniline Dyes	C	C	C	C	C	B	B
Anon (Cyclohexanone)	C	C	C	C	C	C	C
Aqua Regia	C	C	C	C	C	C	C
Aroclors	C	C	C	C	C	C	C
Asphalt	B	B	B	B	B	C	B
Barium Chloride	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	A	A
Barium Sulfide	A	A	A	A	A	B	A
Beer	A	A	A	A	A	A	A
Benzaldehyde	C	C	C	C	C	C	-
Benzene	C	C	C	C	C	C	C
Benzoic Acid	B	B	B	B	C	B	B
Benzoyl Chloride	C	C	C	C	C	C	C
Benzyl Alcohol	C	C	C	C	C	C	B
Benzyl Chloride	C	C	C	C	C	C	C
Biphenyl	C	C	C	C	C	C	C
Blast Furnace Gas	C	C	C	C	C	C	C
Bleach (Sodium Hypochlorite)	C	C	C	C	C	C	B
Boiler Feeder Water	A	A	A	A	A	A	A
Borax	B	B	B	B	B	B	A
Boric Acid	A	A	A	A	A	A	A
Brines	A	A	A	A	A	A	A
Bromine	C	C	C	C	C	C	C
Bromine Trifluoride	C	C	C	C	C	C	C
Butadiene	C	C	C	C	C	C	B
Butane	A	A	A	A	B	C	A
Butanone (MEK)	C	C	C	C	C	C	C
Butyl Acetate	B	B	B	B	C	C	C
Butyl Alcohol (Butanol)	A	A	A	A	A	A	A
n-Butyl Amine	C	B	B	B	B	C	C
Butyl Methacrylate	C	C	C	C	C	C	C
Butyric Acid	C	C	C	C	C	C	C
Calcium Bisulfite	C	C	C	C	C	C	A
Calcium Chloride	A	A	A	A	A	A	A
Calcium Hydroxide (T < 50°C)	A	A	A	A	A	B	A
Calcium Hypochlorite	B	B	B	B	C	C	A
Calcium Nitrate	A	A	A	A	A	A	A
Cane Sugar Liquors	A	A	A	A	A	A	A
Carbolic Acid, Phenol	C	C	C	C	C	C	C
Carbon Dioxide, Dry	A	A	A	A	A	A	A
Wet	A	A	A	A	A	A	A
Carbon Disulfide	C	C	C	C	C	C	C



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Carbon Monoxide	A	A	A	A	A	B	B
Carbon Tetrachloride	B	B	B	B	C	C	C
Carbonic Acid	B	B	B	B	B	B	B
Castor Oil	A	A	A	A	A	B	A
Caustic Soda	C	C	C	C	C	C	C
Cetane (Hexadecane)	A	A	A	A	A	C	B
China Wood Oil	A	A	A	A	A	C	B
Chlordane	B	B	B	B	B	C	C
Chlorinated Solvents	C	C	C	C	C	C	C
Chlorine (Dry)	B	B	B	B	C	B	B
Chlorine (Wet)	C	C	C	C	C	C	C
Chlorine Dioxide	C	C	C	C	C	C	C
Chlorine Trifluoride	C	C	C	C	C	C	C
Chloroacetic Acid	C	C	C	C	C	C	A
Chlorobenzene	C	C	C	C	C	C	C
Chloroform	C	C	C	C	C	C	C
Chloroprene	C	C	C	C	C	-	-
Chlorosulfonic Acid	C	C	C	C	C	C	C
Chrome Plating Solutions	C	C	C	C	C	C	C
Chromic Acid	C	C	C	C	C	C	C
Citric Acid	A	A	A	A	A	A	A
Coke Oven Gas	C	C	C	C	C	C	C
Condensate	A	A	A	A	A	A	A
Copper Acetate	B	B	B	B	B	C	C
Copper Chloride	A	A	A	A	A	A	A
Copper Sulfate (T < 50°C)	A	A	A	A	A	A	A
Corn Oil	A	A	A	A	A	C	B
Cotton Seed Oil	A	A	A	A	A	C	B
Creosote	A	A	A	A	A	C	C
Cresol	B	B	B	B	C	C	C
Crude Oil	B	B	B	B	B	C	C
Cumene	C	C	C	C	C	C	C
Cyclohexane	A	A	A	A	A	C	C
Cyclohexanone	C	C	C	C	C	C	C
Cyclohexyl Alcohol	A	A	A	A	B	C	B
Decane	A	A	A	A	A	C	C
Detergent Solutions	A	A	A	A	A	B	B
Dibenzyl Ether	C	C	C	C	C	C	C
Dibromethane	C	C	C	C	C	C	C
Dibutyl Phthalate	C	C	C	C	C	C	C
Dibutyl Sebacate	C	C	C	C	C	C	C
o-Dichlorobenzene	C	C	C	C	C	C	C
Dichloroethane (1,1 or 1,2)	C	C	C	C	C	-	-
Diesel Oil	A	A	A	A	A	C	B
Diethanolamine	A	A	A	A	A	-	-
Diethyl Ether	C	C	C	C	C	C	C
N,N-Dimethyl Aniline	C	C	C	C	C	C	C
Dimethyl Ether	A	A	A	A	A	C	C
Dimethyl Formamide	C	C	C	C	C	C	C



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Dimethyl Phthalate	C	C	C	C	C	C	C
2,4-Dinitrotoluene	C	C	C	C	C	C	C
Dioxane	C	C	C	C	C	C	C
Dowtherm 4000	B	-	-	-	-	-	-
Dowtherm	C	C	C	C	C	C	C
Epichlorohydrin	C	C	C	C	C	C	B
Ethane	B	B	B	B	C	B	B
Ethers	C	C	C	C	C	C	C
Ethyl Acetate	C	C	C	C	C	C	C
Ethyl Acrylate	C	C	C	C	C	C	C
Ethyl Alcohol (Ethanol)	A	A	A	A	A	A	A
Ethyl Benzene	C	C	C	C	C	C	C
Ethyl Cellulose	B	B	B	B	B	B	B
Ethyl Chloride	B	B	B	B	C	C	C
Ethyl Ether	B	B	B	B	C	C	B
Ethylene	A	A	A	A	B	B	C
Ethylene Dibromide	C	C	C	C	C	C	C
Ethylene Dichloride	C	C	C	C	C	C	C
Ethylene Glycol	A	A	A	A	A	A	A
Ethylene Oxide	C	C	C	C	C	C	C
Ferric Chloride	A	A	A	A	A	A	B
Ferric Sulfate	A	A	A	A	A	A	A
Fluorine, Gas	C	C	C	C	C	C	-
Fluorine, Liquid	C	C	C	C	C	C	-
Fluorosilicic Acid	A	A	A	A	A	C	A
Formaldehyde	A	A	A	A	B	B	B
Formic Acid 10%	B	B	B	B	C	B	A
Formic Acid 85%	B	B	B	B	B	B	A
Freon 12	A	A	A	A	A	A	A
Freon 22	C	C	C	C	C	A	A
Freon 32	A	A	A	A	A	A	A
Fuel Oil	A	A	A	A	A	C	C
Furfural	C	C	C	C	C	C	C
Gasoline, Refined	A	A	A	A	A	C	C
Gasoline, Sour	A	A	A	A	A	C	C
Gelatin	A	A	A	A	A	A	A
Glucose	A	A	A	A	A	A	A
Glue, Protein Base	A	A	A	A	A	A	A
Glycerine, Glycerol	A	A	A	A	A	A	A
Glycol	A	A	A	A	A	A	A
Grease	A	A	A	A	A	C	C
Green Sulfate Liquor	B	B	B	B	B	B	B
Heptane	A	A	A	A	B	C	B
Hexane	A	A	A	A	B	C	A
Hexone	B	B	B	B	B	-	-
Hydraulic Oil (Mineral)	A	A	A	A	A	C	B
Hydrazine	B	B	B	B	B	B	B
Hydrobromic Acid	C	C	C	C	C	C	A
Hydrochloric Acid 10%	A	A	A	A	B	C	A



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Hydrochloric Acid 37%	C	C	C	C	C	C	A
Hydrofluoric Acid	C	C	C	C	C	C	C
Hydrofluosilicic Acid	C	C	C	C	C	C	A
Hydrogen	A	A	A	A	A	A	A
Hydrogen Fluoride	C	C	C	C	C	C	-
Hydrogen Peroxide < 30%	A	A	A	A	A	B	B
Hydrogen Sulfide, Dry or Wet	C	C	C	C	C	C	B
Hydroquinone	B	B	B	B	B	C	C
Iodine Pentafluoride	C	C	C	C	C	C	C
Isooctane	A	A	A	A	A	C	A
Isophorone	C	C	C	C	C	C	C
Isopropyl Alcohol	A	A	A	A	A	A	A
Kerosene	A	A	A	A	A	C	C
Lacquers	C	C	C	C	C	C	C
Lactic Acid 50%	A	A	A	A	B	B	A
Lactic Acid, Cold	A	A	A	A	A	A	A
Hot	C	C	C	C	C	C	C
Lead Acetate (Sugar of Lead)	B	B	B	B	B	C	C
Linseed Oil	A	A	A	A	A	C	B
Liquefied Petroleum Gas (LPG)	A	A	A	A	A	C	B
Lubricating Oils, Mineral or Petroleum Types	A	A	A	A	A	C	C
Lye	B	B	B	B	B	B	A
Magnesium Chloride	A	A	A	A	A	A	A
Magnesium Hydroxide (T<50°C)	B	B	B	B	C	B	A
Magnesium Sulfate	A	A	A	A	A	A	A
Maleic Acid	A	A	A	A	A	C	C
Maleic Anhydride	C	C	C	C	C	C	C
Mercuric Chloride	A	A	A	A	A	A	A
Mercury	A	A	A	A	A	A	A
Methane	A	A	A	A	B	C	B
Methyl Alcohol (Methanol)	A	A	A	A	A	A	A
Methylacrylic Acid	C	C	C	C	C	C	C
Methyl Bromide	C	C	C	C	C	C	C
Methyl Chloride	C	C	C	C	C	C	C
Methyl Chloroform	C	C	C	C	C	-	-
Methyl Ethyl Ketone	C	C	C	C	C	C	C
Methyl Iodide	C	C	C	C	C	-	-
Methyl Isobutyl Ketone (MIBK)	C	C	C	C	C	C	C
Methyl Methacrylate	C	C	C	C	C	C	C
Methyl tert-Butyl Ether (MTBE)	A	A	A	A	A	-	-
Milk	A	A	A	A	A	A	A
Mineral Oil	A	A	A	A	A	C	B
Naphtha	A	A	A	A	A	C	C
Naphthalene	C	C	C	C	C	C	C
Natural Gas - GLP	A	A	A	A	B	B	A
Nickel Chloride	A	A	A	A	A	A	A
Nickel Sulfate	A	A	A	A	A	B	A
Nitric Acid ≤50% (T<50°C)	C	C	C	C	C	C	A
Nitric Acid > 50%	C	C	C	C	C	C	C



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Nitric Acid Crude	C	C	C	C	C	C	C
Nitric Acid Red Fuming	C	C	C	C	C	C	C
Nitrobenzene	C	C	C	C	C	C	C
Nitrogen	A	A	A	A	A	A	A
Nitrogen Tetroxide	C	C	C	C	C	C	C
Nitromethane	C	C	C	C	C	C	C
2-Nitropropane	C	C	C	C	C	C	C
Octane	A	A	A	A	B	C	C
Oleic Acid	A	A	A	A	A	C	B
Orthodichlorobenzene	C	C	C	C	C	C	C
Oxalic Acid	B	B	B	B	C	B	B
Oxygen	C	C	C	C	C	C	B
Ozone	C	C	C	C	C	C	A
Palmitic Acid	A	A	A	A	B	B	B
Pentachlorophenol	A	A	A	A	A	-	-
Pentane	A	A	A	A	B	C	B
Perchloric Acid	C	C	C	C	C	C	C
Perchloroethylene	B	B	B	B	C	C	C
Petroleum	A	A	A	A	A	B	B
Petroleum Oils	A	A	A	A	A	C	B
Petroleum Ether	A	A	A	A	A	C	A
Phenol	C	C	C	C	C	C	C
Phosphoric Acid	C	C	C	C	C	C	C
Picric Acid	B	B	B	B	B	B	B
Pinene	B	B	B	B	B	C	C
Piperidine	C	C	C	C	C	C	C
Polychlorinated Biphenyls	B	B	B	B	B	-	-
Potassium Acetate	A	A	A	A	B	B	C
Potassium Chloride	A	A	A	A	A	A	A
Potassium Cyanide	A	A	A	A	A	A	A
Potassium Dichromate	A	A	A	A	A	B	A
Potassium Hydroxide (T<50°C)	B	B	B	B	C	B	A
Potassium Nitrate	A	A	A	A	B	B	A
Potassium Permanganate	A	A	A	A	A	B	B
Potassium Sulfate	A	A	A	A	A	A	B
Producer Gas	A	A	A	A	A	C	B
Propane	A	A	A	A	B	C	B
Propyl Alcohol	A	A	A	A	A	A	A
Propyl Nitrate	C	C	C	C	C	C	C
Propylene	C	C	C	C	C	C	C
Propylene Oxide	C	C	C	C	C	C	C
Pyridine	C	C	C	C	C	C	C
Rapessed Oil	B	B	B	B	B	C	C
Refrigerants							
11	B	B	B	B	B	C	A
12	A	A	A	A	A	A	A
13	A	A	A	A	A	A	A
13 B1	A	A	A	A	A	A	A
21	C	C	C	C	C	C	C



Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Refrigerants							
22	C	C	C	C	C	A	A
31	C	C	C	C	C	B	B
32	A	A	A	A	A	A	A
112	B	B	B	B	B	C	B
113	A	A	A	A	A	B	A
114	A	A	A	A	A	A	A
114 B2	B	B	B	B	B	C	A
115	A	A	A	A	A	A	A
142b	A	A	A	A	A	A	A
152a	A	A	A	A	A	A	C
218	A	A	A	A	A	A	A
502	B	B	B	B	B	A	-
C316	A	A	A	A	A	A	A
C318	A	A	A	A	A	A	A
Salicylic Acid	B	B	B	B	B	B	-
Salt Water	A	A	A	A	A	A	A
Sea Water	A	A	A	A	A	A	A
Sewage	A	A	A	A	A	B	A
Silicone Oil	A	A	A	A	A	A	A
Silver Nitrate	B	A	A	A	A	B	A
Skydrol 500	C	C	C	C	C	C	C
Soap Solutions	A	A	A	A	A	A	A
Soda Ash	A	A	A	A	A	A	A
Sodium Bicarbonate	A	A	A	A	A	B	A
Sodium Bisulfate, Dry	A	A	A	A	A	B	A
Sodium Bisulfite	A	A	A	A	A	A	A
Sodium Carbonate	A	A	A	A	A	A	A
Sodium Chloride (T<50°C)	A	A	A	A	A	A	A
Sodium Cyanide	A	A	A	A	A	A	A
Sodium Hydroxide (T ≥ 50°C)	C	C	C	C	C	C	C
Sodium Hydroxide (T<50°C)	B	B	B	B	C	B	A
Sodium Hypochlorite	C	C	C	C	C	C	C
Sodium Metaphosphate	A	A	A	A	A	A	B
Sodium Nitrate	B	B	B	B	B	B	A
Sodium Perborate	B	B	B	B	B	B	B
Sodium Peroxide	B	B	B	B	B	B	B
Sodium Phosphate	A	A	A	A	A	A	A
Sodium Silicate	A	A	A	A	A	A	A
Sodium Sulfate	A	A	A	A	A	A	A
Sodium Sulfide	A	A	A	A	A	A	A
Sodium Thiosulfate	B	B	B	B	B	B	A
Soybean Oil	A	A	A	A	A	C	C
Stannic Chloride	A	A	A	A	A	A	-
Steam	A	A	A	A	B	B	B
Stearic Acid	A	A	A	A	A	A	B
Stoddard Solvent	A	A	A	A	A	C	C
Styrene	C	C	C	C	C	C	C
Styrene Oxide	C	C	C	C	C	C	C



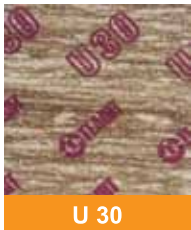
Compressed Non-Asbestos Sheet Chemical Compatibility Chart

A: Suitable B: Consult with TEADIT C: Not recommended

	NA 1100	NA 1002	NA 1000M	NA 1005	NA 1040	NA 1030	NA 1085
Sulfur Chloride	C	C	C	C	C	C	C
Sulfur Dioxide	C	C	C	C	C	B	A
Sulfur, Molten	C	C	C	C	C	C	C
Sulfur, Trioxide	C	C	C	C	C	C	C
Sulfuric Acid, oleum	C	C	C	C	C	C	C
Sulfuric Acid ≤ 90%	C	C	C	C	C	C	A
Sulfuric Acid 95%	C	C	C	C	C	C	B
Sulfuric Acid, Fuming	C	C	C	C	C	C	C
Sulfurous Acid	B	B	B	B	C	B	A
Tannic Acid	A	A	A	A	A	A	A
Tar (Asphalt)	B	B	B	B	B	C	C
Tartaric Acid	A	A	A	A	A	A	A
Tetrabromoethane	C	C	C	C	C	C	C
Tetrachloroethane	B	B	B	B	C	C	C
Tetrachloroethylene	C	C	C	C	C	C	C
Tetrahydrofuran, THF	C	C	C	C	C	C	C
Thionyl Chloride	C	C	C	C	C	C	C
Titanium Tetrachloride	B	B	B	B	B	C	C
Toluene	C	C	C	C	C	C	C
2,4-Toluenediisocyanate	C	C	C	C	C	C	C
Transformer Oil	A	A	A	A	A	C	B
Transmission Fluid A	A	A	A	A	A	C	C
Trichloroacetic Acid	B	B	B	B	B	C	C
1,1,2-Trichloroethane	C	C	C	C	C	C	C
Trichloroethylene	C	C	C	C	C	C	C
Trichlorotrifluoroethane	A	A	A	A	A	C	C
Tricresylphosphate	C	C	C	C	C	C	C
Triethanolamine - TEA	B	B	B	B	C	B	A
Triethyl Aluminum	C	C	C	C	C	C	C
Triethylamine	C	C	C	C	C	-	-
Tung Oil	A	A	A	A	A	C	C
Turpentine	A	A	A	A	A	C	C
Varnish	C	C	C	C	C	C	C
Vegetable Oil	A	A	A	A	A	C	B
Vinegar	B	B	B	B	B	B	A
Vinyl Acetate	B	B	B	B	B	-	-
Vinyl Chloride	C	C	C	C	C	C	C
Vinylidene Chloride	C	C	C	C	C	C	C
Vinyl Methacrylate	C	C	C	C	C	C	C
Water, Oxidizing Salt	A	A	A	A	A	A	A
No Oxidizing Salt	A	A	A	A	A	A	A
Water, Distilled	A	A	A	A	A	A	A
Whiskey and Wines	A	A	A	A	A	A	A
Xylene	C	C	C	C	C	C	C
Zinc Chloride	A	A	A	A	A	A	A
Zinc Sulfate	A	A	A	A	A	B	A

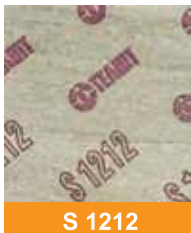
COMPRESSED ASBESTOS FIBRE GASKET SHEETS

NOTE :- standard sheet size is 1,500mm x 1,600mm : available in all popular thicknesses with anti-stick coating on one side. Sheet colours may vary from those in photographs. Larger sheets available on indent order.



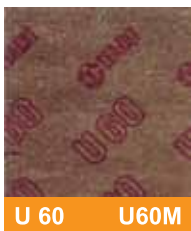
U 30 **(-40°C)-(+350°C)** **40 BAR**
ASTM F104 F112000-M5 **GREY COLOUR**

Economy grade gasket sheet with **SBR** binder.
Suitable for most general duties — steam, water, gases, mild acids and alkalies.



S 1212 **(-35°C)-(+540°C)** **140 BAR**
ASTM F104 F112100-M6 **GREEN COLOUR**

Premium grade, universal gasket sheet with **NBR** binder.
Suitable for hot oils, gasoline, fuels, solvents and other hydrocarbons.
May also be used with steam, water, gases, mild acids and alkalies.



U 60 **(-40°C)-(+540°C)** **100 BAR**
ASTM F104 F112550-M6 **BLACK COLOUR**

Multi-purpose gasket sheet with **SBR** binder.
Suitable for water, steam, gases and a wide range of chemical products and organic compounds.



U 60M **(-40°C)-(+540°C)** **140 BAR**
ASTM F104 F112540-M6 **BLACK COLOUR**

U60 reinforced with wire mesh insertion for extra strength under dry heat conditions.



AC 83 **(-40°C)-(+450°C)** **85 BAR**
ASTM F104 F112000-M6 **BLUE COLOUR**

The special rubber binders in AC 83 are formulated for maximum resistance to acids and alkalies.
Suitable for most mineral acids (e.g. sulphuric acid) and concentrated alkalies.

PHYSICAL PROPERTIES

Styles	Maximum Temp (°C)	Maximum Pres. (bar)	Density (g/cm³)	Compressi- bility (%)	Recovery (%)	tensile Strength (MPa)	Thick Increase		Weight Increase(%)	
							ASTM #3	Fuel B	ASTM #3	Fuel B
AC 83	450	85	1,8	11	57	18	HCL=4% HNO3=7% H2SO4=11%		HCL=2% HNO3=6% H2SO4=10%	
S 1212	540	140	1,8	11	60	24	9	11	11	11
U 30	350	40	2,0	9	52	14	38	15	34	12
U 60	540	100	1,8	11	54	18	37	18	32	16
U 60M	540	140	2,1	13	53	22	35	17	25	13

RECOMMENDATION CHART

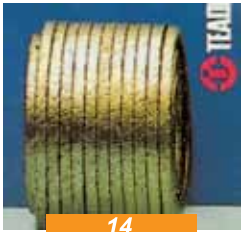
Fluids Styles/ Colors																							
		Mild Inorganic Acids	Mild Organic Acids	Strong/Oxidizing Inorg. Acids	Strong Organic Acids	Concentrated Alkalies	Diluted Alkalies	Water	Air	Industrial Gases	Animal Oils	Synthetic Oils	Vegetable Oils	Petroleum & Derivatives	General Chemicals	Aliphatic Solvents	Aromatic Solvents	Chlorinated Solvents	Oxygenated Solvents	Brine	Neutral Solutions	Refrigerants	Saturated Steam
AC 83	(blue)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
S 1212	(green)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
U 30	(gray)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
U 60/U 60m	(black)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

*** CUT GASKETS AND GASKET CUTTING TOOLS ALSO AVAILABLE ***



ASBESTOS BRAIDED PACKINGS

STYLE 14 VALVES ONLY 540°C 175 BAR Ph 4 - 10



A valve packing made in square cross section from high purity asbestos yarns reinforced with copper wire for added strength at high temperature. It is thoroughly impregnated with a lubricating compound and incorporates finely dispersed particles of graphite. The finished packing is coated with graphite particles which act as a surface lubricant.

Recommended for working with saturated and superheated steam, hot and cold water plus brine & other solutions.

STYLE 323 ROTARY & RECIPROCATING PUMPS, etc + VALVES 320° C 10m/S 14 BAR Ph 4 - 10



A general service, interbraided packing manufactured from individually impregnated, lubricated and graphited white asbestos yarns. An extremely resilient and flexible packing with special impregnation for resistance to oils, solvents and gasoline.

Recommended for rotary pumps but can also be used on reciprocating rods, valve stems, mixers and agitators. Particularly formulated for use with petroleum derivatives - oils, solvents, gasoline and other light hydrocarbons.

STYLE 2009 ROTARY & RECIPROCATING PUMPS, etc + VALVES 260° C 15m/S 24 BAR Ph 2 - 13



A multi-service, interbraided packing manufactured from asbestos yarns that have each been thoroughly impregnated with PTFE suspensoid. The finished packing is again coated with PTFE dispersion and a break-in lubricant is added to reduce shaft wear and eliminate glazing at start up..

Recommended for use in rotary pumps, reciprocating rods, valve stems, mixers and agitators. Being suitable for use against steam, water, solvents, oils, most chemicals, mild acids and alkalis, 2009 is an excellent multi-service choice for any plant.

Approximate Lengths-Metres per Kilogram

SIZES	mm	3.2	4.8	6.4	7.9	9.5	11.1	12.7	14.3	15.9	19.1	22.2	25.4
	inches	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
14	m/kg (+6%)	62.5	25.0	14.7	10.3	6.1	4.0	3.8	3.3	2.2	1.6	1.2	0.9
323		66.6	29.4	16.9	11.2	8.3	5.3	4.4	3.7	2.8	2.2	2.0	1.4
2009		52.6	24.4	14.3	9.6	6.9	5.3	3.9	3.1	2.5	1.8	1.3	1.0

TOOLS



PACKING CUTTER
















A packing cutter makes it easy to cut the **correct** packing lengths for the respective shaft, rod or stem diameter.



PACKING EXTRACTORS

These special tools are recommended for **correctly** removing used packing rings from the stuffing box.

NON-ASBESTOS BRAIDED PACKINGS

	PTFE, ePTFE & gPTFE					Aramid		Aramid/PTFE		Carbon	graphite filament	SYNTHETIC		Plant fibre
														
style	2005 FDA	2006 FDA	2024	2007	2124	2004	2044	2003	2017	2200	2001	2777	2127	2422
filament	Filled ePTFE	Filled ePTFE	PTFE-extruded	gPTFE	PTFE	Aramid	Spun Aramid	PTFE-Aramid	gPTFE-Aramid	Carbon yam	Graphite filament	Novoloid	Acrylic	Ramie
Impregnation	ptfe						ptfe	ptfe	ptfe	graphite	graphite	ptfe	ptfe	ptfe
lubricant		Mineral oil	Yes	Silicone oil		Silicone oil	yes	Silicone oil	Silicone oil			Yes	Silicone oil	Yes
Pressure in bar on pumps and other ROTARY equipment	15	15	10	35		35	20	30	30	25	30	25	20	20
Pressure in bar when used on RECIPROCATING pumps	150	30		100		200	80	100	200		100	25	20	20
Pressure under static duties(e.g.VALVES)	250	100	20	200	100	250	150	180	200	200	300	80	50	30
Linear speed-v-in metres/sec.	5	15	4	25		15	15	12	20	20	20	10	12	10
Lowest temperature °c	130	130	100	200	100	100	100	100	150	240	240		100	
Maximum temperature °c	260	260	250	280	280	280	280	280	280	430	450	250	230	130
Maxitemperature with steam °c										600	650			
PH range	0 - 14	0 - 14	0 - 14	0 - 14	0 - 14	2 - 12	2 - 12	2 - 12	2 - 12	0 - 14	0 - 14	1 - 13	2 - 12	5 - 11
Approximate density in g/cm3	1.7	1.8	1.9	1.6	1.6	1.5	1.4	1.6	1.5	1.1	0.9	1.3	1.5	1.5
water	x	x	x	x	x	x	x	x	x	x	x	x	x	x
steam	x	x	x	x	x	x	x	x	x	x	x	x	x	x
neutral solutions	x	x	x	x	x	x	x	x	x	x	x	x	x	x
highly diluted acids	x	x	x	x	x	x	x	x	x	x	x	o	x	o
concentrated acids	x	x	x	x	x	o	o	o	o	x	x		o	
highly concentrated acids	x	x	x	x	x					o	o			
diluted alkalis	x	x	x	x	x	x	x	x	x	x	x	x	o	o
concentrated alkalis	x	x	x	x	x					x	x			
inert gas	x	x	x	x	x	x	x	x	x	x	x	x	x	o
acidic gas	x	x	x	x	x	o	o	o	o	x	x		o	
hydrogen	x	o	x	x	x		o	o	o			o		
oxygen					x									
volatile hydrocarbon	x	x	x	x	x		o	o	o	x	x	o		
solvents	x	x	x	x	x	o	x	x	x	x	x	x	x	
amines, nitriles	x	x	x	x	x	o	o	x	x		o			
mineral oils, grease	x	x	x	x	x	x	x	x	x	x	x	x	x	x
synthetic oils	x	x	x	x	x	x	x	x	x	x	x	x	x	
abrasive media	o	o	x	o	o	x	x	x	x			x	o	o
bitumen	o	o	x	o	o	x	x	x	x			x	o	
paints, varnishes	x	x	o		x		x			x	x	x		
APPROVALS	FDA, FMFA, WRC	FDA		FMFA, WRC	BAM									FMFA
COMMENTS	O ₂ BAM grade on request		GRAPHITE FILLED VERSION ALSO AVAILABLE											

GLOSSARY : X = Fully compatible with this media - OK TO USE
O = Use with care - not fully compatible.



NON-ASBESTOS BRAIDED PACKING
Approximate Lengths-Metres per Kilogram

Style	2005	2006	2024	2007	2124	2004	2044	2003	2017	2200	2001	2777	2127	2422
Density	1.7	1.8	1.9	1.6	1.6	1.5	1.4	1.6	1.5	1.1	0.9	1.3	1.5	1.5

MM. spez. Gewicht density	3	4	5	6	7	8	9	10	12	13	14	16	18	20	30	MM. spez. Gewicht density
0.85	125.00	71.00	48.00	32.00	24.00	18.00	14.00	12.00	8.20	6.90	6.00	4.60	3.60	2.90	1.30	0.85
1.00	111.00	62.00	40.00	28.00	20.00	16.00	12.00	10.00	6.90	5.90	5.10	3.90	3.10	2.50	1.10	1.00
1.10	100.00	56.00	36.00	25.00	18.00	14.00	11.00	9.10	6.30	5.40	4.60	3.50	2.80	2.30	1.00	1.10
1.20	91.00	53.00	33.00	23.00	17.00	13.00	10.00	8.30	5.80	4.90	4.30	3.30	2.60	2.10	0.90	1.20
1.30	83.00	49.00	30.00	21.00	16.00	12.00	9.50	7.70	5.30	4.50	3.90	3.00	2.40	1.90	0.90	1.30
1.35	83.00	46.00	29.00	20.00	15.00	12.00	9.20	7.40	5.20	4.40	3.80	2.90	2.30	1.90	0.80	1.35
1.40	77.00	45.00	29.00	19.00	14.00	11.00	8.80	7.10	5.00	4.20	3.60	2.80	2.20	1.80	0.80	1.40
1.45	77.00	44.00	28.00	18.00	14.00	11.00	8.50	6.90	4.80	4.10	3.50	2.70	2.10	1.70	0.80	1.45
1.50	71.00	42.00	26.00	17.00	13.00	10.00	8.20	6.70	4.60	3.90	3.40	2.60	2.10	1.70	0.70	1.50
1.60	71.00	39.00	25.00	17.00	13.00	10.00	7.70	6.30	4.30	3.70	3.20	2.40	1.90	1.60	0.70	1.60
1.65	67.00	39.00	24.00	17.00	12.00	9.40	7.50	6.10	4.20	3.60	3.10	2.40	1.90	1.50	0.70	1.65
1.70	67.00	37.00	23.00	16.00	12.00	9.20	7.20	5.90	4.10	3.50	3.00	2.30	1.80	1.50	0.70	1.70
1.75	62.00	36.00	23.00	16.00	11.00	8.90	7.00	5.70	4.00	3.40	2.90	2.20	1.80	1.40	0.60	1.75
1.80	62.00	35.00	22.00	15.00	11.00	8.70	6.80	5.60	3.90	3.30	2.80	2.20	1.70	1.40	0.60	1.80
1.90	59.00	33.00	21.00	15.00	11.00	8.20	6.50	5.30	3.60	3.10	2.70	2.10	1.60	1.30	0.60	1.90

Meter :
1 kg Packing der nach-
stehenden Querschnitte
ergibt ca. Meter

Meter :
1 Kg stuffingbox
packing of following
cross sections
is approx meters

*** M/KG (: 6 %) ***

SPECIAL PRODUCTS

Not necessarily in stock - available on indent.



Use with foodstuffs and pharmaceuticals.

Products on this page can be supplied with relevant FDA approval and certification.

Eptfe MATERIALS

As well as the standard **Expanded ptfe** joint sealants, Thai Polymer Supply Co can also supply a range of sealing products manufactured in Europe by the Teadit Group.

These include biaxially, multi-directional, expanded ptfe tapes for critical applications where the standard ptfe joint sealant has been known to fail.

TEADIT 25BI gives higher gasket stress retention. The biaxial expansion ensures that a tight seal is maintained over the long term. Standard form-in-place ePTFE gaskets are designed with tensile strength oriented primarily along the length of the gasket. When compressed, they form to thin, wide sealing areas. In comparison, **25BI** gasket tape, with tensile strength oriented in all directions, maintains its original width and a thick profile. This ensures high gasket stress retention and a tight, long-lasting seal.

FILLED Eptfe MATERIALS

Black ptfe of the popularised by the GFO gland packing material of W.L. Gore & Associates is well known for use on high speed pumps - the graphite filler dissipates frictional heat. Frictional heat causes normal PTFE packings to bum up at even relatively low speeds - even as slow as 3 metres per second (m/s) TEADIT#2007 is a Gptfe (graphitised ptfe) packing suitable up to 25 m/s BUT, MANY USERS AND APPLICATIONS REQUIRE A WHITE PACKING.

The NEW GENERATION filled, expanded ptfe packings from Teadit provide all the benefits of pure, virgin ptfe, combined with the heat-transmitting properties of an inert, white filler material which allows higher shaft speeds than with conventional PTFE packings. Speeds up to 15 m/s can now be achieved.



TEADIT 2006 FDA for rotary (pump) service and 2005 FDA for static (valve) service.

Because of the dense structure and malleability of style 2006 FDA, superior sealability can be achieved with minimum gland pressure, this results in unsurpassed low leakage rates coupled with longer packing life.

The same uniquely filled Eptfe yarn is also available as a braided tube for use as a form in place gasket material.

3070 FDA is soft and pliable - yet strong and durable - it conforms easily to surface irregularities and/or damage which one can often find on the sealing faces of lids, hatches and doors. Chemically inert from pH 0 to 14. Quick and easy to install, comes off without leaving any residue on sealing surface.



TEADIT® 24 SH

Multi-directional ePTFE gasket material

TEADIT® 24 SH is a gasket sheet produced from pure, multidirectionally expanded PTFE. A special production process ensures equal tensile strength in all directions. This makes gasket cut from TEADIT® 24 SH one of the best, most versatile and most reliable gasket materials on the market. Cold flow and creep has been eliminated, gasket parameters have been drastically improved, while all the excellent physical properties of PTFE have been fully retained.

Advantages

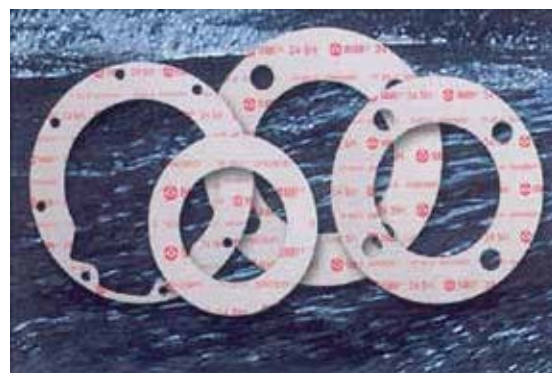
- material does not get wider under compression
- easy to cut or punch
- suitable also for enamel flanges and/ or vessels
- compensates for irregularities and/ or damages on the flange faces
- has all inherent advantages of pure PTFE

Application areas :

- suitable for all pressure sensitive and stress sensitive connections
- suitable for use with even the most aggressive chemicals
- non-contaminating - appropriate for all applications demanding highest purity
- extremely versatile for flange connections, pressure vessels, chemical reactors and/ or housings of pumps, compressors etc.
- suitable as hand and manhole gaskets, heat exchangers, venting systems and many more

Product standard

Sheet size 1,500 x 1,500 mm
in 0.5 up to 6.0 mm thickness, and as ready cut gasket



Technical data:

Density (at delivery): $\rho = 0.9 \text{ g/cm}^3$
Temperature range: - 240°C up to + 270°C
Pressure: from vacuum up to 200 bar
pH 0 - 14
Minimum assembly pressure $Q_{\min 0.01} = 23 \text{ MPa}$
Minimum gasket pressure under operating conditions $Q_{\min 0.01} < 10 \text{ MPa}$
Maximum surface pressure $Q_{\text{crit}} > 240 \text{ MPa}$
TA-Luft/ leakage according to VDI 2440 $L = 2.6 \cdot 10^{-7} \text{ mbar l/(sm)}$

Tests and approvals:

FMPA, FDA, TA-Luft, BAM



TEADIT JAMPAK and the Seal-Cage System

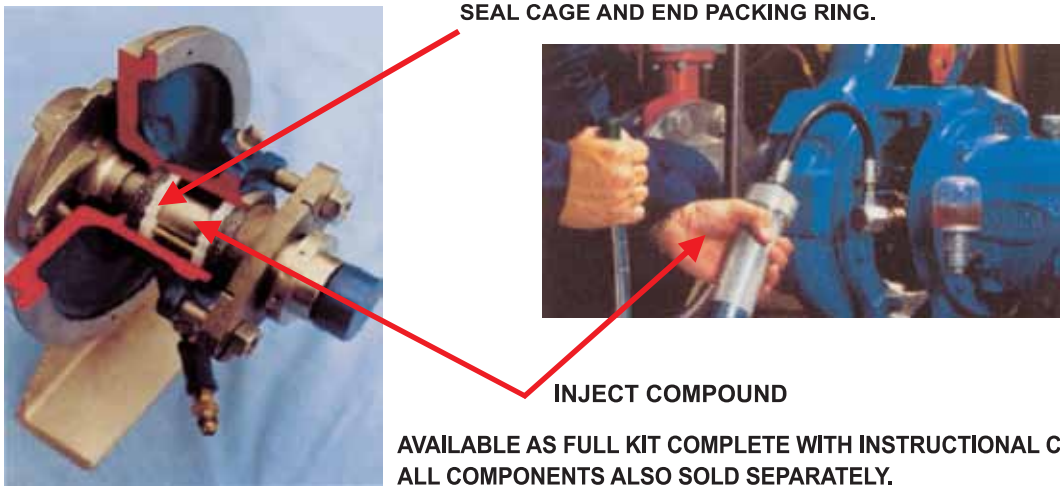
The patented TEADIT JAMPAK Seal-Coge System improves the performance and reliability of injectable packing compounds.

The idea to inject a soft, malleable and fibrous packing compound into the stuffing box, instead of using relatively hard braided packing rings, is not a new one. However, due to various reasons it has not been successful and this system has never become popular especially with respect to pumps, mixers, agitators and other rotary equipment. The patented TEADIT Jampak Seal-Cage-System, in conjunction with the specially formulated TEADIT Jampak packing compounds, significantly improves the integrity and reliability of injectable packing compound for rotary shaft sealing.

- 1. Considerably less down time
- 2. Longer working intervals of pump, because additional packing compound may be injected during operation
- 3. Less leakage (zero (visible) leakage is almost possible)
- 4. NO flush water necessary. This saves on water and waste-water
- 5. Hardly any shaft - or sleeve wear
- 6. Less maintenance effort - less maintenance cost
- 7. Saves on energy due to less friction on shaft
- 8. No sudden breakdown of pump due to packing or seal failure, because additional packing compound can be injected during operation.

JAMPAK

THE MODERN WAY TO SEAL ROTARY EQUIPMENT FOR LONG LIFE WITH NEAR ZERO LEAKAGE, LOW MAINTENANCE AND NO NEED FOR FLUSHING WATER.



JAMPAK 20
A blend of exfoliated graphite particles and high-temperature sacrificial lubricants for extreme service applications.



JAMPAK 26
A non-staining, non-toxic PTFE fiber blended with FDA-approved lubricants for clean or food grade applications.



JAMPAK 27
A blend of high performance gPTFE fibers and chemically resistant lubricants.

SEALANT SELECTION GUIDE			
JAMPAK	20	26	27
Application	centrifugal pumps reciprocating equipment rotating shafts valves	centrifugal pumps reciprocating equipment rotating shafts valves	centrifugal pumps reciprocating equipment rotating shafts valves
SERVICE LIMITS			
pH	0 - 14	0 - 14	0 - 14
V m/s	20	12	20
Temperature	400°C steam: 600°C	260°C	260°C

Structured PTFE gasket material TEALON™*

The TEALON™ range of PTFE gasket sheets are made from pure PTFE with special filler substances. Because of the multidirectionally orientated fibre structure of these PTFE-sheets, the problems usually associated with PTFE, like cold flow and creep, have been largely eliminated. Gaskets from those sheets can be used in considerably higher temperature/pressure combinations than conventional PTFE materials.

Advantages

- excellent compressibility
- outstanding recovery
- low hot creep during service
- excellent sealability
- drastically reduced cold flow and creep
- high mechanical strength
- excellent chemical resistance

Advantages at installation

- easy to handle
- low assembly pressure
- enables fast installation in piping and tubing

Product standard

Sheet size: 1,500 x 1,500mm in 1.5, 2.0 and 3.0 mm thickness, and as ready cut gasket. Other thicknesses on request.

TEALON™ TF 1570

filled with hollow glass micro spheres

colour: blue

Special advantages

- excellent adaptability
- high compressibility
- very good chemical resistance

Application areas

- suitable for pressure sensitive connections made of glass, ceramics, plastic etc.
- compensates for irregularities, roughness and/or damages on the sealing areas
- all-round gasket material, specially suited for the chemical and pharmaceutical industry



Tests and approvals:
TA-Luft

Technical data

density (at delivery): $\rho = 1.7 \text{ g/cm}^3$

temperature range: -210°C up to + 260°C

max. pressure: up to 55 bar

pH 0-14

minimum assembly pressure $Q_{\min 0,01} < 10 \text{ MPa}$

minimum gasket pressure under operating conditions $Q_{S\min 0,01} < 10 \text{ MPa}$

maximum surface pressure $Q_{\text{crit}} > 240 \text{ MPa}$

TA-Luft / leakage according to VDI 2440 $L = 3.7 \cdot 10^{-6} \text{ mbar l/(sm)}$

*TEALON™ is a trade mark of E. I. DuPont de Nemours and Company
licensed for TEADIT®

Please note :
all our PTFE gasket sheets exceed the
demanding TA-Luft standard.

Structured PTFE gasket material

TEALON™ TF 1580

filled with Barium Sulfate

colour: off-white

Special advantages

- excellent resistance against most chemicals
- particularly suited for use with caustics

Application areas

- suitable for "clean" processes and products
- extremely versatile gasket material, best suited for pharmaceutical and food industry

Technical data

density (at delivery): $\rho = 2.9 \text{ g/cm}^3$

temperature range: -210°C up to $+260^\circ\text{C}$

max. pressure: up to 83 bar

pH 0 - 14

minimum assembly pressure $Q_{\min 0,01} < 10 \text{ MPa}$

min. gasket pressure under operating conditions $Q_{\text{Smin } 0,01} < 10 \text{ MPa}$

maximum surface pressure $Q_{\text{crit}} > 240 \text{ MPa}$

TA-Luft / leakage according to VDI 2440 $L = 5.9 \cdot 10^{-7} \text{ mbar l/(sm)}$



Tests and approvals:

BAM, DVGW, FDA, TA-Luft

TEALON™ TF 1590

filled with Silica

colour: fawn

Special advantages

- excellent resistance against most chemicals
- particularly suited for use with acids
- high resistance against blow-out
- excellent mechanical strength

Application areas

- very versatile gasket material, best suited for chemical and petrochemical processes

Technical data

density (at delivery): $\rho = 2.1 \text{ g/cm}^3$

temperature range: -210°C up to $+260^\circ\text{C}$

max. pressure: up to 83 bar

pH 0 - 14

minimum assembly pressure $Q_{\min 0,01} < 21 \text{ MPa}$

min. gasket pressure under operating conditions $Q_{\text{Smin } 0,01} < 10 \text{ MPa}$

maximum surface pressure $Q_{\text{crit}} > 240 \text{ MPa}$

TA-Luft / leakage according to VDI 2440 $L = 1.1 \cdot 10^{-6} \text{ mbar l/(sm)}$



Tests and approvals:

BAM, DVGW, FDA, TA-Luft



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