Tel: 01380 734510
Fax: 01380 734511
Email: Sales@tym.co.uk

Technical data

Typical values for a thickness of 2 mm

Compressibility	***ASTM F 36/J***	***%***	***9***
Recovery	*ASTM F/36/J*	*%*	*55*
Tensile strength	*DIN 52910*	*N/mm2*	*8*
Stress resistance	*DIN 52913*		
16h, 300°C, 50N/mm2		*N/mm2*	
16h, 175°C, 50N/mm2		*N/mm2*	*25*
Specific Leak Rate	*DIN 3535/6*	*mg/sm*	*0.08*
Thickness increase	*ASTM F 146*		
Oil IRM 903, 5h, 150°C		*%*	*10*
ASTM Fuel B, 5h, 23°C		*%*	*10*
HNO3 40%, 18h 23°C		*%*	
H2SO4 65%, 48h, 23°C		*%*	
Max. operating conditions			
Peak temperature		*°C/F*	*250/482*
Continuous temperature		*°C/F*	*200/392*
- with steam		*°C/F*	*160/320*
Pressure		*bar/psi*	*50/725*

Tel: 01380 734510
Fax: 01380 734511
Email: Sales@tym.co.uk

chemical resistance chart

Acetamide	Ethyl acetate	Oxalic acid
Acetic acid 10%	Ethyl alcohol	Oxygen
Acetic acid 100%	Ethyl chloride	Palmitic acid
Acetic ester	Ethylene	Pentane
Acetone	Ethylene glycol	Perchloroethylene
Acetylene	Formaldehyde	Phenol
Adipic acid	Formic acid 10%	Phosphoric acid
Air	Formic acid 85%	Potassium dichromate
Alum	Freon 12	Potassium acetate
Aluminium acetate	Freon 22	Potassium bicarbonate
Aluminium chlorate	Fuel oil	Potassium carbonate
Aluminium chloride	Gasoline	Potassium chloride
Ammonia	Glycerin	Potassium hydroxide
Ammonium bicarbonate	Heptane	Potassium iodide
Ammonium chloride	Hydraulic oil (Mineral)	Potassium nitrate
Ammonium hydroxide	Hydraulic oil (type glycol)	Potassium permanganate
Amyl acetate	Hydraulic oil (type phosphate esther)	Propane
Aniline	Hydrazine	Pyridine
Asphalt	Hydrochloric acid 20%	Salicylic acid
Barium chloride	Hydrochloric acid 36%	Silicone oil
Benzene	Hydrofluoric acid 10%	Soap
Benzoic acid	Hydrofluoric acid 40%	Sodium aluminate
Borax	Hydrogen	Sodium bicarbonate
Boric acid	Isobutane	Sodium bisulphite
Butane	Isopropyl alcohol	Sodium carbonate
Butyl alcohol	Kerosene	Sodium chloride
Butyric acid	Lead acetate	Sodium cyanide
Calcium chloride	Lead arsenate	Sodium hydroxide
Calcium hydroxide	Magnesium sulphate	Sodium sulphate
Carbon bisulphide	Malic acid	Sodium sulphite
Carbon dioxide	Methane	Starch
Chlorine, dry	Methanol	Steam
Chlorine, wet	Methyl chloride	Stearic acid
Chloroform	Methyl ethyl ketone	Sugar
Chromic acid	Methylene dichloride	Sulfuric acid 20%
Citric acid	Milk	Sulfuric acid 96%
Copper acetate	Mineral oil type ASTM 1	Tar
Creosote	Naphtha	Tartaric acid
Cresol	Nitric acid 20%	Toluene
Cyclohexanol	Nitric acid 40%	Transformer oil
Cyclohexanone	Nitric acid 96%	Trichloroethylene
Decalin	Nitrobenzene	Water
Dibenzylether	Nitrogen	White spirit
Dimethyl formamide	Octane	Xylene

Green: ok Yellow: doubtful Red: no good

Tel: 01380 734510
Fax: 01380 734511
Email: Sales@tym.co.uk

Standard line of compressed gasket materials are the high quality materials produced on specially designed rollers called calanders. A pasty mixture of material is placed into the gap between a large heated roller and a small cooled roller, until the desired thickness is achieved. The quality of gasket materials produced in the calandering process is influenced by the following main parameters: working pressure, temperature of the rollers and speed of the rollers. Standard line of compressed gasket materials consists of fibres and fillers which are bonded together by rubber. The final properties of compressed gasket materials are also in connection with: quality and quantity of the fibres, the degree of openness of individual fibres, and the amount and the type of fillers and rubber used.

BA-202	Gasket material for lower loadings.
BA-203	Gasket material for medium loadings.
BA-50	Gasket material with good mechanical and chemical properties.
BA-55	Gasket material with excellent thermal properties and good steam resistance.
BA-U	Gasket material with good mechanical, chemical and thermal properties.
BA-GL	Gasket material with excellent torque retention, good steam and thermal resistance.
BA-CF	Gasket material with excellent resistance against steam and strong alkalises.
BA-Auto	Gasket material with controlled swell properties.
BA-N	Gasket material with extremely good resistance to cooling media.
BA-C	Gasket material with very good resistance to acids and alkaline media.
BA-R	Wire reinforced gasket material with great strength.
BAR-300	Gasket material with excellent dynamic and thermal properties.
BAR-302	Gasket material with superior dynamic and thermal resistance.