

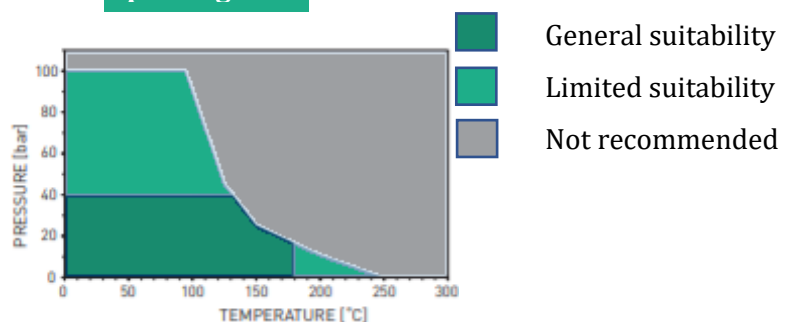
MATERIAL DATASHEET

V. 05/2017

TESNIT® BA-S

Material Information	
Manufacturer	Donit
Composition	Aramid fibers, NBR binder
Applications	Automotive industry
Approvals	Upon request
Colour	Green
Thickness (mm)	0,5; 1,0; 1,5; 2,0; 3,0
Sheet dimensions (mm)	1 500 x 1 500

Technical Data (2 mm thickness)		
Density, DIN 28090-2 (g/cm ³)	Compressibility, ASTM F36J (%)	Recovery, ASTM F36J (%)
1,8	8	60
Tensile strength, DIN 52910 (MPa)	Stress resistance, DIN 52913 (MPa)	Specific leak rate, DIN 3535-6 (mg/s·m)
13	26 (50 MPa, 175 °C, 16 h) 20 (50 MPa, 300 °C, 16 h)	0,05
Thickness increase, ASTM F146 (%)	Compression modulus, DIN 28090-2 (%)	Creep relaxation, DIN 28090-2 (%)
4 (Oil IRM 903, 150 °C, 5 h) 6 (ASTM Fuel B, 23 °C, 5 h)	not defined not defined	not defined not defined
Peak temperature (°C/°F)	Continuous temperature (°C/°F)	Maximum pressure (bar/psi)
330/662	250/482	100/1450

pT-diagram

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Recommended Media			
Acetamide	Carbon dioxide	Lead arsenate	Potassium iodide
Acetic acid 10 %	Citric acid	Magnesium sulfate	Potassium nitrate
Acetic acid 100 %	Copper acetate	Malic acid	Potassium permanganate
Acetylene	Cyclohexanol	Methane	Propane
Adipic acid	Decalin	Methanol	Salicylic acid
Air	Ethane	Milk	Soaps
Alum	Ethanol	Mineral oil	Sodium aluminate
Aluminium acetate	Ethylene	Naphtha	Sodium bicarbonate
Aluminium chlorate	Formaldehyde	Nitrogen	Sodium bisulfite
Aluminium chloride	Formic acid 10 %	Octane	Sodium carbonate
Ammonia	Freon-12 (R-12)	Oils, fuels	Sodium chloride
Ammonium bicarbonate	Fuel oil	Oleic acid	Sodium cyanide
Ammonium chloride	Gasoline	Oxygen	Sodium sulfate
Ammonium hydroxide	Glycerine	Palmitic acid	Sodium sulfide
Asphalt	Heptane	Pentane	Starch
Barium chloride	Hydraulic oil (glycol)	Phosphoric acid 40 %	Steam
Benzene	Hydraulic oil (mineral)	Phosphoric acid 85 %	Stearic acid
Benzoic acid	Hydrazine	Potassium acetate	Sugars
Borax	Hydrogen	Potassium bicarbonate	Tar
Boric acid	Isobutane	Potassium carbonate	Tartaric acid
Butane	Isooctane	Potassium chloride	Transformer oil (mineral)
Butyl alcohol	Isopropanol	Potassium chromate	Water
Calcium chloride	Kerosene	Potassium dichromate	White spirits
Calcium hydroxide	Lead acetate	Potassium hydroxide	