Gasket Material

AV400 Multiblau

AV 400 Multiblau® | Non-asbestos CSF sheet jointing

Product description

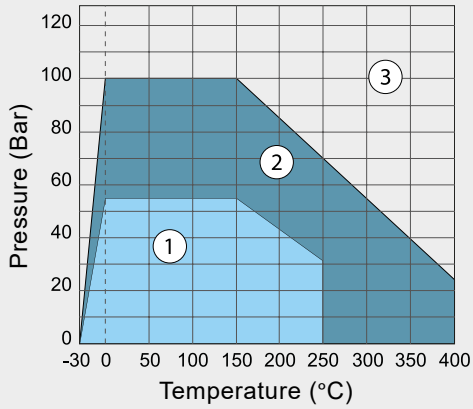
AV 400 Multiblau® is an advanced grade, general purpose, non-asbestos soft gasket material, made from NBR rubber and high tensile strength aramide fibers. Formulated and proven suitable for a broad range of applications, such as oil, fuels, hydrocarbons, water and many chemicals. Certifications: DNV-GL, DVGW, BAM, TA Luft, WRAS.

General data

Color:	Blue, branded on one side
Standard sheet size:	1500x1500mm
Size tolerance:	± 2%
Standard thickness:	0.5/1.0/1.5/2.0/3.0/4.0/5.0 mm
Thickness tolerance:	0.5: ± 0.1 mm, 1.0 - 5.0: ± 10%
Surface:	One side anti-stick surface

Technical data

Max. temperature peak:	400°C
Max. temperature continual:	250°C (steam 200°C)
Max. pressure:	100 Bar



1. Suitable area (even for steam application)
2. Suitable extended area, technical advice is recommended
3. For this area technical consultation is mandatory

Note: Maximum temperature and pressure values can not be used simultaneously.

Typical parameters of 2 mm thick jointing

Density DIN 28090-2	1,9 g/cm³
Compressibility ASTM F 36J	5-15%
Recovery min. ASTM F 36J	50%
Residual stress* (16h/175°C) DIN 52 913	≈ 30 MPa (*value valid for thickness 1,5mm)
Gas leakage λ2,0 DIN 3535-6	≈ 0,06 mg/(m.s)
Fluid resistance - thickness increase	
Oil IRM 903 ISO 1817 (5h/150°C) ASTM F 146	3%
ASTM Fuel B ISO 1817 (5h/23°C) ASTM F 146	5%
Flexibility ASTM F 147	No cracks, no breaks

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Chemical resistance chart (A = recommended, B = suitability depends on conditions, C = not suitable)

Acetic acid 100%	A	Kerosene	A
Acetone	B	Methylene chloride	C
Acetylene	A	Liquefied petroleum gas	A
Air	A	Natural gas	A
Aluminium chloride	A	Nitric acid 20%	C
Ammonia	A	Nitrogen	A
Ammonium hydrogenphospate	A	Petrol	A
Barium chloride	A	Petroleum	A
Benzene	A	Phenol	C
Boric acid	A	Potable water	A
Calcium hydroxide	A	Potassium cyanide	A
Carbon dioxide	A	Potassium iodide	A
Copper sulphate	A	Saturated steam	A
Crude oil	A	Silicon oil	A
Cyclohexanol	A	Sodium carbonate	A
Cyklohexanon	B	Sodium hydrogen carbonate	A
Di-butyl phtalate	A	Sodium hydrogen sulphite	A
Ethyl ether	A	Sodium hydroxide	B
Ethylen	A	Sodium chloride	A
Ethylene glycol	A	Sodium sulphate	A
Formic acid 10%	A	Sugar	A
Glycerine	A	Sulphuric acid 65%	C
Hydraulic oil(mineral)	A	Tartaric acid	A
Hydrogen chloride dry	A	Tetrachlormethane	B
Hydrochlorid acid 20%	B	Toluene	A
Chlorine dry	A	Transformer oil	A
Chloroform	B	Turpentine	A
Iso-Octane	A	Xylene	A