TESNIT® BA-R300

TESNIT® BA-R300 is a specially designed gasket material reinforced by an extremely strong wire mesh, offering outstanding dynamic and thermal properties.

PROPERTIES

Composition	Inorganic fibers, NBR bonded with a strong wire mesh reinforcement.
Colour	Black
Properties	Extreme dynamic and thermal resistance.
Appropriate industries	Automotive industry, petrochemicals, shipbuilding.
Approvals	Germanischer Lloyd

SURFACE TREATMENTS

Surface treatment is 2G.

DIMENSIONS OF STANDARD SHEETS

Sheet size (mm): 500 x 1400 | 1000 x 1400
Thickness (mm): 0.7 | 1.0 | 1.2 | 1.4 | 2.0 | 2.5 | 3.0
Other dimensions and thicknesses are available on request.

Tolerances:
+/- 5 % on length and width
On thickness up to 1.0 mm +/- 0.1 mm
On thickness above 1.0 mm +/- 10 %

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm^3	3.2
Compressibility	ASTM F36J	%	10
Recovery	ASTM F36J	%	40
Tensile strength	ASTM F152	MPa	/
Stress resistance	DIN 52913		
16 h, 50 MPa, 175 °C		MPa	46
16 h, 50 MPa, 300 °C		MPa	40
Specific leak rate	DIN 3535-6	mg/(s·m)	/
Thickness increase	ASTM F146		
Oil IRM 903, 5 h, 150 °C		%	5
ASTM Fuel B, 5 h, 23 °C		%	/
Compression modulus	DIN 28090-2		
At room temperature: ε_{KSW}		%	/
At elevated temperature: $\varepsilon_{WSW/200\ °C}$		%	/
Percentage creep relaxation	DIN 28090-2		
At room temperature: ε_{KRW}		%	/
At elevated temperature: $\varepsilon_{WRW/200\ °C}$		%	/
Max. operating conditions			
Peak temperature		°C/°F	550/1022
Continuous temperature		°C/°F	450/842

All information and data quoted are based on years of experience in production and operation of sealing elements. The data may not be used to support any warranty claims. This edition cancels all previous issues and is a subject to change without further notice.

Contact information
DONIT TESNIT®, d.o.o.
Cesta komandanta Staneta 38, 1215 Medvode, Slovenia
Phone: +386 (0)1 582 33 00, Fax: +386 (0)1 582 32 06, +386 (0)1 582 32 08
Web: www.donit.eu, E-mail: info@donit.eu

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