



Aramid fibers, specially selected fillers and graphite combined in new high compressibility and environment friendly gasket material with excellent thermal properties.

PROPERTIES

Composition	Graphite, aramid fibers, NBR
Colour	Grey
Properties	Due to outstanding chemical and thermal resistance it's a proper choice for applications in flanges, valves, pumps and heat exchangers.
Appropriate industries	Power plants, heating systems, chemical industry, OEM industry.
Approvals	WRAS, TA-Luft (VDI 2440), DVGW W270

SURFACE TREATMENTS

Surface treatment is 4AS.
PTFE treatment is available on request.

DIMENSIONS OF STANDARD SHEETS AND ROLLS

Sizes (mm): 1500 x 1480 | 2000 x 1480
Thickness (mm): 0.5 | 1.0 | 1.5 | 2.0 | 3.0
Rolls sizes (mm x L m): 1480 x L
Rolls thickness (mm): 1.0 | 2.0
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	1.2
Compressibility	ASTM F36J	%	35
Recovery	ASTM F36J	%	17
Tensile strength	ASTM F152	MPa	4.5
Stress resistance	DIN 52913		
16 h, 50 MPa, 175 °C		MPa	40
16 h, 50 MPa, 300 °C		MPa	35
Specific leak rate	DIN 3535-6	mg/(s·m)	0.5
Thickness increase	ASTM F146		
Oil IRM 903, 5 h, 150 °C		%	3
ASTM Fuel B, 5 h, 23 °C		%	2
Compression modulus	DIN 28090-2		
At room temperature: ϵ_{KSW}		%	26
At elevated temperature: $\epsilon_{WSW/200\text{ °C}}$		%	5.0
Percentage creep relaxation	DIN 28090-2		
At room temperature: ϵ_{KRW}		%	3.0
At elevated temperature: $\epsilon_{WRW/200\text{ °C}}$		%	0.5
Creep deformation			
Change in thickness at 20 °C, 50 MPa		%	33
Change in thickness at 300 °C, 50 MPa		%	8

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

Issue date: 14. 11. 2014