



DONIFLEX® GMD

High-performance medium density beater material for industrial and automotive applications

Basis

Aramid fibers, Graphite, NBR

Color

Silver

Surface treatment

Branding: white DONIFLEX® GMD logo

Anti-stick coating: silver coloured non-stick top and bottom layer.

Dimensions of standard sheet

Sheet size: 1000x1480 mm, 1500x1480 mm, 1480x2000 mm*

Thickness: 0.5 mm, 0.8 mm, 1.0 mm, 1.5 mm, 2.0 mm*, 3.0 mm** On request

Application

Gasket material with excellent resistance to hot water, steam and oils. Suitable for use in radiators, boilers, flanges, valves, pumps, engines, heat exchangers, compressors, power plants, heating systems, chemical industry.

Technical data (Typical values for a thickness of 1.0 mm)

Density	DIN 28090-2	g/cm ³	1.2 - 1.4
Compressibility	ASTM F 36/J	%	15 - 25
Recovery	ASTM F36/J	%	25 - 40
Stress Resistance (50MPa, T=300 ° C, 16h)	DIN 52913	MPa	min 42
Stress Resistance (50MPa, T=175 ° C, 16h)	DIN 52913	MPa	min 38
Immersion in Oil IRM 903, 5h, 150 ° C	ASTM F146		
• thickness increase		%	max 7
• weight increase		%	max 25
Immersion in ASTM Fuel B, 5h, 20 ° C	ASTM F146		
• thickness increase		%	max 7
• weight increase		%	max 22
Specific Leak Rate	DIN 3535/6	mg/(s·m)	0.3
Creep deformation – 50MPa/300 ° C			
• change in thickness at 20 ° C		%	22
• change in thickness at 300 ° C		%	8

All information data are based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behavior in gasket joint. The data may not, therefore, be used to support any warranty claims.

This edition cancels all previous issues. Subject to change without notice.