

TECHNICAL INFORMATION

NEBAR GP3 - GENERAL PURPOSE NITRILE

GP3

Description A cost effective, medium hardness Nitrile/SBR based cork jointing suitable for a range of industrial applications. Has a degree of oil resistance, but not intended for general sealing of oils and fuels, or at service temperatures above 80°C.

Typical Properties Material tested to procedures as documented in ASTM F104

		Test Procedure
Base elastomer	Nitrile/SBR	
Thickness (mm)	1.5 to 12.5	
Hardness	58 to 68°	ASTM D1415
Minimum tensile strength (MPa)	1.4	ASTM F152
Fluid resistance, volume swells		
ASTM 1 72 hours at 100°C	+11%	ASTM F146
IRM903 72 hours at 100°C	+77%	ASTM F146
FUEL A 22 hours ambient temperatures	+22%	ASTM F146
BS148 Mineral Oil 14 days at 90°C	+82%	ASTM F146
Low temperature flexibility	-25°C	
Maximum operating temperature in fluids	80°C	
Compressibility at 2.8 N/mm ²	20 to 30%	ASTM F36
Recovery minimum	75%	ASTM F36
Normal sheet size	1.2 x 1.0 (1.5 - 12.5mm) 3.0 x 1.0 (1.5 - 6.0mm)	
Flexibility	5d	ASTM F147

Further Information a) Sheets supplied plain and unbranded
b) Refer to Technical Services department for advice on specific applications.

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Specifications are subject to change without notice.

Statements of operating limits quoted in this document are not an indication that these values can be simultaneously applied.

A safe handling data sheet on this material is available on request.