



Quality First
Solutions

GASKET MATERIAL

Blackmar



General

Blackmar is a high quality gasket material designed to be able to operate at high pressures in a wide range of applications. Manufactured from a specialised combination of aramid and mineral fibre, with an NBR binder, Blackmar is capable of service in applications ranging up to 400°C (260°C in steam).

Applications

Blackmar is a general use compressed, calendered gasket material suitable for use with fuels, oils, gases, hydrocarbons and lubricants. Blackmar is also highly effective in sealing steam and water and can withstand alcohols and moderate organic and inorganic acids.

Blackmar is widely used in natural gas transfer applications and meets DuPont Specification G-81 UDT and BS7531 (Grade X).

Availability

Blackmar is available in 1550mm / 1550mm sheets in a wide range of thicknesses. Both sides of the material have been finished with a black, non-stick coating.

Properties

Compressibility (ASTM F 36)	9.9%
Recovery (ASTM F36)	
Tensile Strength (ASTM F152, Across Grain)	16 MPa (Min.)
Density (ASTM F1315)	2.1gm/cm ³
Creep Relaxation (ASTM F38)	20.3%
Immersion in Oil (IRM 903) 5 hours / 150°C	Thickness Change 5% (Max.) Weight Increase 9% (Max.)
Immersion Fuel B 5 hours / 23°C	Thickness Change 5.2% (Max.) Weight Increase 9.1% (Max.)
Maximum Operating Temperature (Continuous, non-steam)	350°C
Intermittent Operating Temperature (short-term, non-steam)	400°C
Maximum Operating Temperature (Continuous, in steam)	260°C
Maximum Operating Pressure (Continuous)	12 MPa
Dielectric Strength (EN 60243-1:2002) 1.5mm Thick Tested	5.4 kV/mm
ASME-Code Sealing Factors for 2mm gasket thickness tightness class 0.1 mg/s x m	Y = 2.5 MPa M = 5.5 MPa

Values listed are typical unless otherwise noted. This is a general guide and should not be the sole means of selecting this material.



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Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.