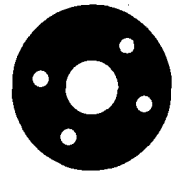


HYPERASIL®

ASBESTOS FREE GASKET MATERIALS

Hypersil
A F M 100



General Data

Standard Sheet Size	1500mmx1500mm, 1500mmx3100mm, 1500mmx1000mm, 1500mmx2000mm, 1270mmx1270mm, 1270mmx1905mm, 1270mmx3810mm, 3200x3200mm		
Thickness	0.25MM to 6.00 mm (for Non-Metalic Range) 0.80mm to 6.00mm (for Wire Mesh Rein Forced)		
Tolerances	Thickness	Length	Width
	≤ 1mm = ± 0.10mm ≥ 1mm = ± 10%	± 50 mm	± 50 mm

Max. Value of temperature and pressure should not be used simultaneously, they are given only as guidance. Max. temperature and pressure depends not only on the type of gasket material but also on the application conditions such as thickness of material, nature of service medium type of flange, surface stress etc.

Graphite coating, teflon coating, antistick coating are available on request.
Properties Applicable for 2.0mm thick material.

Density		gm / Cm³	1.70-2.00
Tensile Strength			
a) Acc to ASTM F 152 (Across Grain)		N/mm ²	≥ 7
b) Acc to DIN 52910 (Across Grain)		N/mm ²	≥ 5
Compressibility	ASTM F 36A	%	7-15
Recovery	ASTM F 36A	%	≥ 40
Fluid Absorption			
In ASTM Oil No.3	ASTM F 146	%	
Increase in Mass			≤ 15
Increase in Thickness			≤ 10
In fuel B	ASTM F 146	%	
Increase in Mass			≤ 10
Increase in Thickness			≤ 10
In water / Antifreeze	ASTM F 146	%	
Increase in Mass			≤ 15
Increase in Thickness			≤ 5
In Acid (Change in Tensile Strength)			
96% H ₂ SO ₄ ACID (48 hrs. At 23°C)		%	
95% HNO ₃ ACID (48 hrs. At 23°C)		%	
Ignition Loss	DIN 52911	%	≤ 40
Sealability Against Nitrogen	DIN 3535	Cm ³ /min	
Stress Resistance			
16h 300°C	DIN 52913	N/mm ²	-
16th 175°C	DIN 52913	N/mm ²	-
Design Info: M Value			2.5
Y Value		(mpa)	25
Max. Peak Temp.		°C	350
Max. Continuous Temp.		°C	250
Max. Operating Pressure		Kg/cm ²	70
ASTM F 104Line call-out			

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All information and recommendations given in this brochure are correct to the best of our knowledge. Since conditions of use are beyond our control, the information provided can only serve as a guideline. Users must satisfy themselves that products are suitable for the intended processes and uses. We reserve the right to change product design and properties without notice.

Performance Chart and Recommendation

- Uncritical for application, provided charminar assemble rules are followed.
- Only for short term temp. excursions.
- Application might be okay, but is critical kindly consult charminar technical support

