

AF115 Reinforced PTFE

A reinforced PTFE material specifically developed for slide bearing and skidway applications. This material comprises a unique blend of filler compounds to give optimum compressive strength whilst retaining very low frictional coefficients. The load bearing characteristics are greatly improved over conventional PTFE materials and the unique blend of fillers means maximum compressive strength whilst still having an extremely low coefficient of friction, regardless of conditions, surpassing other filled PTFE materials. AF115 is also unaffected by UV

Typical Physical properties

Property	Test Method	Value
<u>Deformation Under Load</u>		
24 Hr @23 °C 14 MPa	ASTM D621	1.0%
1 Hr @150 °C 5 MPa	ASTM D621	2.1%
Permanent	ASTM D621	0.8%
<u>Compressive Strength</u>		
1% Strain	ASTM D695	10.8 MPa
5% Strain	ASTM D695	30.0 MPa
0.2% Offset	ASTM D695	18.2 MPa
Tensile Strength	ASTM D4894	>18 MPa
Temperature Range		-250 °C to +260 °C
Maximum Pressure	Non Recessed Design	18 MPa
Maximum Pressure	Recessed Design	50 MPa
Coefficient Of Friction (static/dynamic)	Lubricated	0.05 / 0.01*
Water Absorption		0%

*Independent test report available on request

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All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

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