

# STYLE: AF-5400

AF-5400 is a high performance gasket material suitable for sealing in a wide range of demanding applications involving, water, oils, fuels, hydrocarbons, refrigerants, mild acids and alkalis. AF 5400 meets the requirements of BS 7531 Grade X.



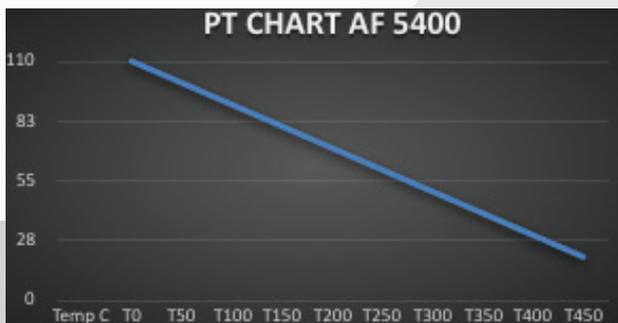
## TYPICAL PROPERTIES

Color	Golden, Branded
Fiber:	Glass and Aramid Fiber
Binder:	Nitrile (NBR)
Fluid Service:	Steam, Oils, Fuels, hydrocarbons, gas service, hard water, saline water and slurries
Density:	1.85 g/cm <sup>3</sup>
Tensile Strength ASTM F 152:	1305 psi (9 Mpa)
Change in Tensile, ASTM F-152	30% Max
Technical conformance to:	BS 7531 Grade X
Compressibility ASTM F 36:	7%
Recovery ASTM F 36:	62%
Temperature	
Range:	-328°F to 842°F (-200°C to 450°C)
Max. Continuous :	554°F (290°C)
Max. Pressure:	1450 psi (100 bar)
Fluid Resistance-ASTM F146 IRM 903 Oil, 5h/300°F (150°C)	
Thickness increase:	0 to 15%
Weight increase: ASTM Fuel B 5h/70°F (21°C)	15%
Thickness Increase:	0 to 10%
Weight increase:	15%
Leakage Rate	
ASTM F 37 (Fuel A):	0.03ml/hr

# STYLE: AF-5400

ASTM F37 (Nitrogen):	0.5 ml/hr
Dielectric Breakdown ASTM D 149:	14kV/mm (370V/mil)
DIN 3535 Gas Permeability:	0.05cc/min
Creep relaxation ASTM F 38:	25%
Flexibility ASTM F1 47:	8x
<b>Gasket Factors of Araflex-AF-5400</b>	

<b>THICKNESS</b>	1/16"	1/8"
<b>m factor</b>	3.2	2.8
<b>y psi (Mpa)</b>	3000 (20)	3800 (26)



Note: ASTM properties based on 1/16" sheet thickness except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

Araflex Warning: Araflex gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown are typical. No application should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint, and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious personal injury. The data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. The information and specifications contained in this website are subject to change without notice.

