

ARAFLON 4540 EXPANDED PTFE (WHITE)

Expanded Microcellular multi directional PTFE



Applications:

Suitable	Specialties
Strong acids	Highly compressible
Caustics, Hydrocarbons	Can fill flange surface irregularities
Cryogenics	Low creep and cold flow
Glass lined equipment	High bolt torque retention property
Low bolt load FRP GRP flanges	Easily compressed under lower loads
Food Industry	Chemically inert
Refrigerants	Long shelf life

Operating Conditions		
Minimum Temperature	(°C/°F)	268/-450
Maximum Temperature	(°C/°F)	316/600
Maximum Continuous Temp	(°C/°F)	260/500
Pressure	(bar/psi)	85/1232

Physical Properties		
Specific Gravity	ASTM D 792	0.65 to 0.1 g/cm ³
Compressibility	ASTM F36	70-80%
Recovery	ASTM F36	8%
Creep Relaxation	ASTM F38	10%
Gas permeability (cc/min)		<0.015
Dielectric Strength	F149	250 Volts/mil
m value 1/8" (3.2mm Thk)		3.0
y value 1/8" (3.2mm Thk)		2200 psi (15Mpa)

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice.

Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.