

ARAFLON 4504 GLASS FILLED PTFE (BLUE)

A special material blend of PTFE with Glass Microspheres

Applications:



Suitable

Medium conc. Acids, H₂O₂
 Caustics, Hydrocarbons, Solvents
 Potable Water Supply
 Petrochemical Industry
 Pharmaceutical Industry
 Food Industry
 Steam, Refrigerants, cryogenics

Not Suitable

Molten Alkali
 Hydrofluoric Acids
 Fluorine gas

Operating Conditions

Minimum Temperature	(°C/°F)	-250/-418
Maximum Temperature	(°C/°F)	270/518
Pressure	(bar/psi)	55/800

Physical Properties

Specific Gravity	ASTM D 792	1.6 g/cm ³
Compressibility	ASTM F36J	25-35% %
Recovery	ASTM F36J	45%
Tensile Strength	ASTM F152	14 Mpa
Creep Relaxation	ASTM F38	18%
pH Range		0-14
Dielectric Strength	F149	15kV/mm
m value (3mm thk)		2.5
y value (3mm thk)		1800 psi (12.4Mpa)

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.