



ARAFLON 4500 SILICA FILLED PTFE (GOLDEN)

A special material blend for concentrated inorganic acids

Applications:

Suitable	Not Suitable
Conc. H ₂ So ₄ (Sulhuric Acid)	Molten Alkali
Most of the chemicals	Hydrofluoric Acids
Potable Water Supply	Fluorine Compounds, gas
Petrochemical Industry	
Pharmaceutical industry	
Food Industry	
Steam, Solvents	

Operating Conditions		
Minimum Temperature	(°C/°F)	-250/-418
Maximum Temperature	(°C/°F)	270/518
Pressure	(bar/psi)	85/1232

Physical Properties		
Specific Gravity	ASTM D 792	2.2g/cm ³
Compressibility	ASTM F36J	7-11 %
Recovery	ASTM F36J	42%
Tensile Strength	ASTM F152	14 Mpa
Creep Relaxation	ASTM F38	18%
pH Range		0-14
Dielectric Strength	F149	20kV/mm
m value		4
y value		2175 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.

