

ALTAFLO MATERIAL SELECTION CHART

Physical Property	ASTM Test	100 (PTFE)	200 (FEP)	2E0 (FEP)	400 (PFA)	451 (HP PFA)	480 (UHP PFA)	500 (PVDF)	550 (PVDF FLEX)	700 (ETFE)
Upper Service Temp.		500° F*	400° F	400° F	500° F	500° F	500° F	250° F	212° F	300° F
Specific Gravity	D 792	2.15	2.15	2.12-2.17	2.15	2.15	2.15	1.77-1.79	1.78	1.74
Tensile Strength Psi	D 1708	2500-3000	4000	3500	4500	4500	4200	5000-7000	3500	3100-6800
Elongation %	D 638	200-400	400	300-400	400	400	400	50-200	200-500	420-450
Flex Modulus Psi	D 790	27,000	90,000	12,000	90,000	90,000	12,000	240,000-300,000	40,000-60,000	128,000-171,000
MIT Flex Life	D 2176	1,000,000+	200,000	5000	1,750,000	500,000	500,000+	N/A	N/A	N/A
Hardness — Shore D	D 2240	60	57-60	57-60	60	60	60	76-80	57-62	75

The above information is based on tests performed at 73° F and can vary in individual applications based on parameters such as temperature, chemical concentration, pressure, etc. Please consult the factory for details.

*Altaflo 100 SERIES PTFE Short Term Upper Service Temp: 550° F.