

high performance fluoropolymer and fluoroplastic tubing and pipe

Altaflo Material Selection Chart

	ASTM TEST	100 (PTFE)	200 (FEP)	200-E (FEP)	300 (THV)	400 (PFA)	480 (UHP PFA)	500 (PVDF)	550 (PVDF FLEX)	600 (MFA)	700 (ETFE)
Upper Service Temp. °F		500° F*	400° F	400° F	180° F	500° F	500° F	250° F	212° F	480° F	300° F
Specific Gravity	D 792	2.15	2.15	2.12-2.17	1.95	2.15	2.15	1.77-1.79	1.78	2.15	1.74
Tensile Strength PSI	D 1708	2500-3000	4000	3500	2900	4200	4500	5000-7000	3500	4500	3100-6800
Elongation %	D 638	200-400	400	300-400	600	400	400	50-200	200-500	330	420-450
Flex Modulus PSI	D 790	27,000	90,000	90,000	12,000	90,000	90,000	240,000-300,000	40,000-60,000	65,000	128,000-171,000
MIT Flex Life	D 2176	1,000,000+	200,000	5000	N/A	500,000+	1,750,000	N/A	N/A	80,000	N/A
Hardness - Shore D	D 2240	60	57-60	57-60	44	60	60	76-80	57-62	59	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 factory for details.

* ALTAFLUOR 100® SERIES PTFE

Note: Short Term Upper Service Temp - 550° F.



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