

**Teflon® PFA  
(Perfluoralkoxy)**

PFA is especially useful to designers and end-users who require a thermoplastic with excellent chemical stability, electrical properties and mechanical use in low and high temperature environments.

Specifications:

DuPont's Teflon® PFA meets ASTM D 3307

Property	ASTM Test Method	Units	Teflon® PFA
<b>Physical</b>			
Specific Gravity	D792		2.15
<b>Mechanical</b>			
Tensile Strength	D1457 D1708 D638	psi	3,600
Elongation	D1457 D1708 D638	%	300
Flexural Modulus	D790	psi	85,000
Folding Endurance	D2176	(MIT) cycles	10-500 x 10 <sup>3</sup>
Impact Strength	D256	ft-lb/in	No Break
Hardness, Shore D	D2240		60
Coefficient of Friction, Dynamic	D1894	<10 ft/min	0.2
<b>Thermal</b>			
Melting Point	D3418	°F	582
Upper Service Temperature (20,000h)	UL746B	°F	500
Flame Rating	UL94		V-0
Limiting Oxygen Index	D2863	%	>95
Heat of Combustion	D240	Btu/lb	2,300

*NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.*