



Typical Properties of

**PFA**

Perfluoroalkoxy

Process: Extruded

Property	Test Method	Unit	Value
Specific Gravity	D792	--	2.15
Tensile Strength	D638	psi	3,600
Tensile Modulus	D638	psi	101,000
Elongation	D638	%	300
Flexural Strength	D790	psi	N / A
Flexural Modulus	D790	psi	85,000
Compressive Strength	D695	psi	N / A
Compressive Modulus	D695	psi	N / A
Hardness, Rockwell	D785	--	N / A
Hardness Durometer	--	--	D60
Izod Impact (notched)	D256	ft. lb of notch	No Break
Coeff. of Friction (Dynamic)	--	dry v.s steel	0.21
Coeff. of Linear Therm. Expan.	E831/ D696	in./in./°F	$7.6 \times 10^{-5}$
Continuous Use Temperature	--	°F	500
Heat Deflection Temperature	D648	°F	118
Glass Transition Temperature	D3418	°F	N / A
Melting Point	D3418	°F	582
Thermal Conductivity	E1530-11	BTU in/hr ft <sup>2</sup> °F	1.8
Dielectric Strength	D149	Volts/mil	550
Surface Resistivity	EOS/ESD 511.11	ohm/square	$>10^{18}$
Flammability	UL94	--	V-0
Water Absorption, 24 hrs.	D570	% by weight	0.03
Water Absorption, Saturation	D570	% by weight	0.03
Limiting PV (4:1 Safety Factor)	--	--	N / A
K-Factor	--	--	N / A
FDA Compliance	--	--	Yes

Note: The data provided is for reference purposes only. Additional testing may be required for design specifications or quality control.  
All values at 73 F unless otherwise stated.