



Typical Properties of

Delrin® AF DE588

Homopolymer Acetal with 20% PTFE Fiber Filler

Process: Extruded

Property	Test Method	Unit	Value
Specific Gravity	D792	--	1.33
Tensile Strength	D638	psi	5,400
Tensile Modulus	D638	psi	200,000
Elongation	D638	%	15
Flexural Strength	D790	psi	7,300
Flexural Modulus	D790	psi	220,000
Compressive Strength	D695	psi	8,000
Compressive Modulus	D695	psi	175,000
Hardness, Rockwell	D785	--	M50 (R108)
Hardness Durometer	--	--	D76
Izod Impact (notched)	D256	ft. lb of notch	1.5
Coeff. of Friction (Dynamic)	--	dry v.s steel	0.29
Coeff. of Linear Therm. Expan.	E831/ D696	in./in./°F	9.3×10^{-5}
Continuous Use Temperature	--	°F	180
Heat Deflection Temperature	D648	°F	225
Glass Transition Temperature	D3418	°F	145
Melting Point	D3418	°F	320
Thermal Conductivity	E1530-11	BTU in/hr ft ² °F	N / A
Dielectric Strength	D149	Volts/mil	N / A
Surface Resistivity	EOS/ESD 511.11	ohm/square	$10^9 - 10^{10}$
Flammability	UL94	--	HB
Water Absorption, 24 hrs.	D570	% by weight	2
Water Absorption, Saturation	D570	% by weight	8
Limiting PV (4:1 Safety Factor)	--	--	2,000
K-Factor	--	--	30
FDA Compliance	--	--	No

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.