



Typical Properties of

Acetal - Glass Filled

Homopolymer Acetal with 20% Glass Fiber Reinforcement

Process: Extruded

Property	Test Method	Unit	Value
Specific Gravity	D792	--	1.53
Tensile Strength	D638	psi	8,500
Tensile Modulus	D638	psi	900,000
Elongation	D638	%	12
Flexural Strength	D790	psi	10,700
Flexural Modulus	D790	psi	730,000
Compressive Strength	D695	psi	18,000
Compressive Modulus	D695	psi	525,000
Hardness, Rockwell	D785	--	M90 (R118)
Hardness Durometer	--	--	N / A
Izod Impact (notched)	D256	ft. lb of notch	0.8
Coeff. of Friction (Dynamic)	--	dry v.s steel	N / A
Coeff. of Linear Therm. Expan.	E831/ D696	in./in./°F	4.50×10^{-5}
Continuous Use Temperature	--	°F	180
Heat Deflection Temperature	D648	°F	316
Glass Transition Temperature	D3418	°F	150
Melting Point	D3418	°F	350
Thermal Conductivity	E1530-11	BTU in/hr ft ² °F	N / A
Dielectric Strength	D149	Volts/mil	490
Surface Resistivity	EOS/ESD 511.11	ohm/square	$>10^{13}$
Flammability	UL94	--	HB
Water Absorption, 24 hrs.	D570	% by weight	0.25
Water Absorption, Saturation	D570	% by weight	1
Limiting PV (4:1 Safety Factor)	--	--	N / A
K-Factor	--	--	N / A
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.