

HOMOPOLYMER ACETAL MOLDING COMPOUNDS TYPICAL PROPERTIES

Properties	Test Method	Units	Unfilled Acetal Homopolymer Injection Molding	Unfilled Acetal Extrusion	POM HO E TL 20 (20% PTFE)	POM HO TL 20
Physical						
Specific Gravity	ISO1183	----	1.42	1.42	1.54	1.53
Water Absorption (24 hr)	ISO62	%	0.30	0.30	0.20	0.20
Mechanical						
Tensile Strength	ISO527	psi	10,200	10,400	7,690	7,250
Flexural Strength	ISO180/1A	psi	11,600	11,600	----	----
Flexural Modulus	ISO180/1A	psi	428,000	421,000	363,000	363,000
Izod Impact Strength	ISO180/1A	ft. lb./in.				
Notched (73°F)	ISO180/1A		4.3	6.7	2.4	1.40
Rockwell Hardness	ISO2039-2	R Scale	120	120	----	----
Thermal						
Heat Deflection Temp.		°F				
66 psi	ISO75-2/A		316	329	189	320
264 psi	ISO75-2/B		201	207	352	198
Coefficient of Linear Thermal Expansion	ISO11357-2	in./in./°F X 10 ⁻⁵	6.1	6.1	6.1	6.1
Electrical						
Dialectric Strength (S/T)	IEL60093	volts/mil	1,100	1,100	----	----
Miscellaneous						
Flammability	UL Subj. 94	----	HB	HB	HB	HB

***Compounds are based on Delrin® feedstock.**

Suggested processing parameters are available upon request. Seller is not responsible or liable for any loss or damage resulting from product use, and no warranty is stated or implied.

