

CO-POLYMER ACETAL MOLDING COMPOUNDS TYPICAL PROPERTIES

Properties	Test Method	Units	Acetal Base Resin 50-1000	Acetal, Antistat Acetal SD	Acetal 30% Glass Reinforced Coupled 50-1006	Acetal 20% PTFE (Copolymer) 50-2-1040
Physical						
Specific Gravity	ASTM-D792	----	1.41	1.32	1.63	1.52
Water Absorption (24 hr)	ASTM-D570	%	0.20	2.3	0.3	0.15
Mechanical						
Tensile Strength	ASTM-D638	psi	9,000	6,000	19,500	6,500
Tensile Elongation	ASTM-D638	%	8	15	3	8
Flexural Strength	ASTM-D790	psi	13,000	7,000	29,000	10,000
Flexural Modulus	ASTM-D790	psi	375,000	205,000	1,350,000	300,000
Izod Impact Strength	ASTM-D256	ft. lb./in.				
Notched (1/8")			1.31	NB	13	0.8
Unnotched (1/8")			20	NB	8	
Rockwell Hardness	ASTM-D785	M Scale	85		86	79
Thermal						
Heat Deflection Temp.	ASTM-D648	°F				
66 psi			320	294		320
264 psi			230	153	330	210
Coefficient of Linear Thermal Expansion	ASTM-D696	in./in./°F X 10 ⁻⁵	4.7		1.8	5.5
Electrical						
Surface Resistivity Prior to Extrusion	ASTM-D648			1.0E+9 to 1.0E+11 ohms		
Miscellaneous						
Flammability	UL Subj. 94	----	94HB		94HB	94HB
Mold Shrinkage (1/8")	ASTM-D955	in./in.	0.022	0.018	0.009	0.020

**Homopolymer base resin is also available in injection and extrusion grades.*



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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.

