

Product Description					
30% Glass Reinforced Acetal Copolymer (POM)					
General Properties					
Appearance	Black, Natural or Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Appliance, Tool and Equipment				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	14,500	psi	100	MPa
Tensile Modulus	ASTM D638	1,100,000	psi	7586	MPa
Flexural Modulus	ASTM D790	1,007,000	psi	6,945	MPa
Flexural Strength	ASTM D790	23,200	psi	160	MPa
Notched Izod Impact (73°F)	ASTM D256	0.9	ft-lb/in	48	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.61	sp gr	1.61	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.003	in/in	0.152	mm/mm
Filler Content		30.0	%	30.0	%
Flame Rating 0.032	UL 94	HB		HB	
Water Absorption	ASTM D570	0.20	%	0.20	%
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	327	°F	164	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	324	°F	162	°C
Injection Molding		Value			
Drying Temperature		176	°F		
Drying Time		3.0 - 4.0	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		320 - 356	°F		
Middle Barrel Temperatures		356 - 374	°F		
Front Barrel Temperatures		374 - 392	°F		
Nozzle Temperature		356 - 410	°F		
Mold Temperatures		140 - 212	°F		
Screw speed		80 - 120	rpm		

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.