

Product Description					
Acetal Homopolymer (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	N/A	psi	#VALUE!	MPa
Tensile Strength @ Break	ASTM D638	9,570	psi	66	MPa
Flexural Modulus	ASTM D790	421,000	psi	2,903	MPa
Flexural Strength	ASTM D790	14,200	psi	98	MPa
Notched Izod Impact (73°F)	ASTM D256	1.7	ft-lb/in	91	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.41	sp gr	1.41	sp gr
Melt Flow 190°C/2.16 kg	ASTM D1238	14.0	g/10min	14.0	g/10min
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.020	in/in	0.508	mm/mm
Flame Rating 0.032	UL 94	HB		HB	
Water Absorption	ASTM D570	0.22	%	0.22	%
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	316	°F	158	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	230	°F	110	°C
Injection Molding		Value			
Drying Temperature		180	°F		
Drying Time		2.0 - 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		374 - 392	°F		
Melt (processing) Temperatures		< 446	°F		
Mold Temperatures		140 - 176	°F		
Back Pressure		142 - 427	psi		

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.