

EnTor 340GF

PPS



Product Description					
40% glass fiber reinforced PPS, good for water contact applications					
General Properties					
Appearance	Natural				
Processing Methods	Injection Molding				
Applications	Automotive, industrial, water contact				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ISO 527/2/1A	27,500	psi	190	MPa
Tensile Modulus	ISO 527/2/1A	2,030,528	psi	14004	MPa
Tensile Elongation at Break	ISO 527/2/1A	2	%	2	%
Flexural Modulus	ISO 178	1,945,000	psi	13,414	MPa
Flexural Strength	ISO 178	40,000	psi	276	MPa
Notched Izod Impact (73°F)	ISO 180	2.5	ft-lb/in	134	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ISO 1183	1.66	g/cm ³	1.66	g/cm ³
Mold Shrink - Flow: 0.126 in (3.20 mm)	Internal	0.2-0.5	%	0.2-0.5	%
Flame Rating 0.030	UL 94	V-0		V-0	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ISO 75	496	°F	258	°C
Injection Molding		Value			
Drying Temperature		300 - 325	°F		
Drying Time		4.00	hrs		
Maximum Drying Time		7.0	hrs		
Suggested Maximum Moisture		0.02	%		
Suggested Shot Size		25 - 75	%		
Rear Barrel Temperatures		560 - 580	°F		
Middle Barrel Temperatures		590 - 610	°F		
Front Barrel Temperatures		620 - 650	°F		
Nozzle Temperature		620 - 650	°F		
Melt (processing) Temperatures		600 - 650	°F		
Mold Temperatures		275 - 350	°F		
Back Pressure		0 - 50	psi		
Screw speed		50 - 100	rpm		
Vent Depth		0.0015 - 0.0030	in		

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.