

# EnTor 120GF

PEI



Product Description					
Molding Grade PEI					
General Properties					
Appearance	Black				
Processing Methods	Injection Molding, Profile Extrusion				
Applications	Automotive, Electrical, Metallizable				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	18,000	psi	124	MPa
Tensile Elongation at Break	ASTM D638	4	%	4	%
Flexural Modulus	ASTM D790	950,000	psi	6,552	MPa
Notched Izod Impact (73°F)	ASTM D256	1.0	ft-lb/in	53	J/m
CLTE	ASTM E831	3.00E-10	in/(in, °F)	5.40E-10	mm/(mm, °C)
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.42	sp gr	1.42	sp gr
Melt Flow 337/6.6	ASTM D1238	7.0	g/10min	7.0	g/10min
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.005	in/in	0.005	mm/mm
Filler Content		20.0	%	20.0	%
Flame Rating 0.125	UL 94	5VA		5VA	
Flame Rating 0.062	UL 94	V-0		V-0	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ASTM D648	390	°F	199	°C
Injection Molding		Value			
Drying Temperature		300	°F		
Drying Time		4.0 - 6.0	hrs		
Maximum Drying Time		8.0	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		630 - 750	°F		
Middle Barrel Temperatures		640 - 750	°F		
Front Barrel Temperatures		650 - 750	°F		
Nozzle Temperature		650 - 750	°F		
Melt (processing) Temperatures		660 - 750	°F		
Mold Temperatures		275 - 325	°F		

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.