

# EnCounter 125GF

PBT



Product Description			
25% Glass Fiber Reinforced			
General Properties			
Appearance	Black, Natural or Colors		
Processing Methods	Injection Molding		
Applications	Automotive, Electronics/Electrical, Business Equipment, Structural		
Mechanical Properties	Test Method	English Units	S.I. Units
Tensile Strength @ Yield	ASTM D638	13,500 psi	93 MPa
Tensile Elongation at Break	ASTM D638	5 %	5 %
Flexural Modulus	ASTM D790	750,000 psi	5,172 MPa
Flexural Strength	ASTM D790	21,000 psi	145 MPa
Notched Izod Impact (73°F)	ASTM D256	1.0 ft-lb/in	53 J/m
Physical Properties	Test Method	English Units	S.I. Units
Specific Gravity	ASTM D792	1.46 sp gr	1.46 sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.004 - 0.008 in/in	0.102 - 0.203 mm/mm
Filler Content		25.0 %	25.0 %
Thermal Properties	Test Method	English Units	S.I. Units
Heat Deflection Temperature @ 66 psi	ASTM D648	410 °F	210 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	375 °F	191 °C
Injection Molding	Value		
Drying Temperature	250 °F		
Drying Time	3.0 - 5.0 hrs		
Maximum Drying Time	8 hrs		
Suggested Maximum Moisture	0.02 %		
Rear Barrel Temperatures	460 - 490 °F		
Middle Barrel Temperatures	470 - 500 °F		
Front Barrel Temperatures	480 - 510 °F		
Nozzle Temperature	470 - 500 °F		
Melt (processing) Temperatures	480 - 510 °F		
Mold Temperatures	150 - 190 °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.