

EnCounter F0PET15GF

PET



Product Description					
15% Glass Reinforced Flame Retardant PET					
General Properties					
Appearance	Black, Natural or Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Electrical, Electronics, General Industries				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	15,664	psi	108	MPa
Tensile Modulus	ASTM D638	899,000	psi	6200	MPa
Tensile Elongation at Break	ASTM D638	3	%	3	%
Flexural Modulus	ASTM D790	937,000	psi	6,462	MPa
Flexural Strength	ASTM D790	23,206	psi	160	MPa
Notched Izod Impact (73°F)	ASTM D256	1.4	ft-lb/in	75	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.56	sp gr	1.56	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		15.0	%	15.0	%
Flame Rating 0.030	UL 94	V-0		V-0	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	460	°F	238	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	392	°F	200	°C
Injection Molding		Value			
Drying Temperature		250-270	°F		
Drying Time		4-6	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		500 - 520	°F		
Middle Barrel Temperatures		520 - 540	°F		
Front Barrel Temperatures		540 - 560	°F		
Nozzle Temperature		520 - 560	°F		
Melt (processing) Temperatures		520 - 560	°F		
Mold Temperatures		205 - 250	°F		
Back Pressure		50 - 100	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.

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