

EnCounter 2F030GF

PET



Product Description					
30% 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	18,500	psi	128	MPa
Tensile Modulus	ASTM D638	1,690,000	psi	11655	MPa
Tensile Elongation at Break	ASTM D638	2	%	2	%
Flexural Modulus	ASTM D790	1,550,000	psi	10,690	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	1.63	sp gr	1.63	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.002	in/in	0.051	mm/mm
Mold Shrink Xverse	ASTM D955	0.008	in/in	0.008	%
Filler Content		30.0	%	30.0	%
Flame Rating 0.063	UL 94	V-0		V-0	
Flame Rating 0.063	UL 94	5VA		5VA	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	474	°F	246	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	431	°F	222	°C
Injection Molding		Value			
Drying Temperature		250	°F		
Drying Time		4.00	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		540	°F		
Mold Temperatures		200 - 240	°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.