

# EnDure F010GF

PP



Product Description			
10% Glass Reinforced V0 Homopolymer Polypropylene			
General Properties			
Appearance	Natural, Black, Colors		
Processing Methods	Injection Molding		
Applications	Automotive, Battery Cases, Appliances		
Mechanical Properties	Test Method	English Units	S.I. Units
Tensile Strength (73°F (23°C))	ASTM D638	8,500 psi	55 MPa
Tensile Modulus (73°F (23°C))	ASTM D638	390,000 psi	2690 MPa
Tensile Elongation (Yield)	ASTM D638	8.0 %	8.0 %
Flexural Modulus	ASTM D790	400,000 psi	2759 MPa
Flexural Strength (73°F (23°C))	ASTM D790	9,425 psi	65 MPa
Notched Izod Impact (0.126 in (3.20 mm))	ASTM D256	1.0 ft-lb/in	53 J/m
Physical Properties	Test Method	English Units	S.I. Units
Specific Gravity	ASTM D792	1.04 sp gr	1.04 sp gr
Melt Mass Flow Rate (230°C/2.16 kg)	ASTM D1238	8.0 g/10min	8.0 g/10min
Filler Content		10 %	10 %
Flame Rating 1.500	UL 94	V0	V0
Heat Deflection Temperature @ 66 psi	ASTM D648	300 °F	149 °C
Injection Molding		Value	
Drying Temperature		180 °F	Only if Material is Physically wet
Drying Time		2.0 hrs	
Suggested Maximum Moisture		0.2 %	
Suggested Shot Size		25 - 75 %	
Rear Barrel Temperatures		375 - 450 °F	
Middle Barrel Temperatures		375 - 450 °F	
Front Barrel Temperatures		375 - 450 °F	
Nozzle Temperature		375 - 450 °F	
Melt (processing) Temperatures		375 - 450 °F	
Mold Temperatures		90 - 160 °F	
Back Pressure		25 - 100 psi	
Screw speed		Slow - Medium rpm	
Vent Depth		0.0010 - 0.0015 in	

# EnDure F010GF

PP



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.

---

EnCom Polymers, Inc.

812-421-7700 • [www.encompolymers.com](http://www.encompolymers.com)