

# EnCom GF10 PPE-PS

Polyphenylene Ether + PS

EnCom, Inc.

Message:

10% Glass Filled PPE/PS

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Uses	Automotive Applications		
	Business Equipment		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.3	MPa	ASTM D638
Flexural Modulus	3650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	121	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	98.9 to 110	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	7.0	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	40 to 75	%	
Rear Temperature	249 to 304	°C	
Middle Temperature	260 to 310	°C	
Front Temperature	271 to 316	°C	
Nozzle Temperature	282 to 316	°C	
Processing (Melt) Temp	282 to 316	°C	

Mold Temperature	76.7 to 104	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	20 to 100	rpm
Vent Depth	0.038 to 0.076	mm

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Recommended distributors for this material

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