

EnCom GF45 PET UR

Polyethylene Terephthalate

EnCom, Inc.

Message:

PET 45% Glass Filled

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	173	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	14100	MPa	ASTM D790
Flexural Strength (Yield)	263	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	238	°C	
1.8 MPa, Unannealed	224	°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 to 288	°C	
Middle Temperature	266 to 302	°C	
Front Temperature	271 to 310	°C	
Nozzle Temperature	277 to 310	°C	
Processing (Melt) Temp	277 to 310	°C	
Mold Temperature	93.3 to 116	°C	

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Recommended distributors for this material

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