

EnCom GPET45UR BK42504

Polyethylene Terephthalate

EnCom, Inc.

Message:

EnCom GPET45UR BK42504 is a Polyethylene Terephthalate (PET) material filled with 45% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Typical application of EnCom GPET45UR BK42504: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Uses	Automotive 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	263	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	238	°C	
1.8 MPa, Unannealed, 3.18 mm	224	°C	

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Recommended distributors for this material

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