

Rynite® 545 BK504

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

45% Glass Reinforced Polyethylene Terephthalate

General Information			
UL YellowCard	E41938-257704		
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PET-GF45<		
Resin ID (ISO 1043)	PET-GF45		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15500	MPa	ISO 527-2
Tensile Stress (Break)	175	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	14000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	230	°C	ISO 75-2/A
Melting Temperature ¹	249	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.7E-5	cm/cm/°C	
Transverse	8.5E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flammability Classification			IEC 60695-11-10, -20
0.750 mm	HB		
1.50 mm	HB		
NOTE			

1. 10°C/min

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Recommended distributors for this material

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