

Crastin® SK609 BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

50% Glass Reinforced Polybutylene Terephthalate

General Information			
UL YellowCard	E41938-257822		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PBT-GF50<		
Resin ID (ISO 1043)	PBT-GF50		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15700	MPa	ISO 527-2
Tensile Stress (Break)	145	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Stress	210	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)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.750 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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