

Crastin® LW9030 BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced Polybutylene Terephthalate Blend with Low Warpage Characteristics

General Information			
UL YellowCard	E41938-257779		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PBT+ASA-GF30<		
Resin ID (ISO 1043)	PBT+ASA-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ISO 527-2
Tensile Stress (Break)	125	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8500	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m ²	
23°C	50	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	7.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	50	kJ/m ²	
23°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	170	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method

Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Oxygen Index	20	%	ISO 4589-2
NOTE			
1.	10°C/min		

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