

Crastin® LW9020FR BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

20% Glass Reinforced, Flame Retardant, Polybutylene Terephthalate Blend with Low Warpage Characteristics

General Information			
UL YellowCard	E41938-101897301		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PBT+ASA-GF20FR(17)<		
Resin ID (ISO 1043)	PBT+ASA-GF20FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7800	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	5.5	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	170	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value	Test Method	
Flammability Classification (1.50 mm)	V-0	IEC 60695-11-10, -20	
NOTE			
1.	10°C/min		

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