

Crastin® SK605 BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced Polybutylene Terephthalate

General Information			
UL YellowCard	E41938-257820		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Uses	Profiles		
Agency Ratings	UL Unspecified Rating		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Part Marking Code (ISO 11469)	>PBT-GF30<		
Resin ID (ISO 1043)	PBT-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9600	MPa	ISO 527-2
Tensile Stress (Break)	130	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	9.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Burning Rate (1.00 mm)	54	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.750 mm	HB		
1.50 mm	HB		
Oxygen Index	20	%	ISO 4589-2
Fogging - F-value (refraction)	99	%	ISO 6452
Emission of Organic Compounds	90.0	µgC/g	VDA 277

Odor	3	VDA 270
NOTE		
1.	10°C/min	

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