

Crastin® S600F10 BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

Unreinforced High Viscosity Polybutylene Terephthalate Developed for Extrusion and Injection Molding

General Information			
UL YellowCard	E41938-257807		
Uses	Profiles		
Agency Ratings	UL Unspecified Rating		
Processing Method	Coating		
	Extrusion		
	Injection Molding		
	Profile Extrusion		
Part Marking Code (ISO 11469)	>PBT<		
Resin ID (ISO 1043)	PBT		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.7	%	
Flow	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield)	57.0	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	%	ISO 527-2
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA
Notched Izod Impact Strength (23°C)	4.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	223	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
Oxygen Index	21	%	ISO 4589-2
NOTE			
1.	10°C/min		

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