

Crastin® SK645FR BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced, Flame Retardant, Polybutylene Terephthalate

General Information			
UL YellowCard	E41938-257827	E41938-257828	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Multi-Point Data	Shear Stress vs. Shear Rate (ISO 11403-1)		
	Specific Volume vs Temperature (ISO 11403-2)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Part Marking Code (ISO 11469)	>PBT-GF30 FR(17)<		
Resin ID (ISO 1043)	PBT-GF30(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.69	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10300	MPa	ISO 527-2
Tensile Stress (Break)	114	MPa	ISO 527-2
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (0.750 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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