

Crastin® SK692FR BK507

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

15% Glass Reinforced, Flame Retardant, Polybutylene Terephthalate

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Agency Ratings	UL not rated		
Forms	Particle		
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-GF15FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.0	%	ISO 294-4
Flow direction	0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7100	MPa	ISO 527-2
Tensile Stress (Break)	110	MPa	ISO 527-2
Tensile Strain (Break)	2.7	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	197	°C	ISO 75-2/A
Melting Temperature ¹	223	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index (CTI) (0.750 mm)	PLC 3		UL 746
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.800 mm	V-0		IEC 60695-11-10, -20

1.50 mm	V-0	IEC 60695-11-10, -20
Fill Analysis	Nominal Value	Unit
Melt Density	1.31	g/cm ³
NOTE		
1.	10°C/min	

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Recommended distributors for this material

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