

Crastin® SK642FR BK851

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

15% Glass Reinforced, Flame Retardant, Polybutylene Terephthalate

General Information			
UL YellowCard	E41938-257824		
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PBT-GF15FR(17)<		
Resin ID (ISO 1043)	PBT-GF15FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	3.4	%	ISO 527-2
Flexural Stress	155	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	218	°C	ISO 75-2/B
1.8 MPa, Unannealed	203	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Burning Rate (1.00 mm)	50	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.750 mm	V-0		
1.50 mm	V-0		
Oxygen Index	32	%	ISO 4589-2
NOTE			
1.	10°C/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

