

FR-PET® B3045FA

Polyethylene Terephthalate
Polyplastics Co., Ltd.

Message:
HB, Standard, GF reinforced, Balck color, High rigidity

General Information			
UL YellowCard	E213445-229175		
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	High Rigidity		
UL File Number	E213445		
Appearance	Black		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PET-GF45<		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	152	MPa	ISO 527-2
Tensile Strain (Break)	1.4	%	ISO 527-2
Flexural Modulus	15500	MPa	ISO 178
Flexural Stress	265	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.7	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	242	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	19	kV/mm	IEC 60243-1
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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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

