

FR-PET® B3015FA

Polyethylene Terephthalate

Polyplastics Co., Ltd.

Message:

HB, Standard, GF reinforced, Black color

General Information			
UL YellowCard	E213445-229175	E213445-229176	
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
UL File Number	E213445		
Appearance	Black		
Forms	Pellets		
Part Marking Code (ISO 11469)	>PET-GF15<		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm³	ISO 1183
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	103	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	6300	MPa	ISO 178
Flexural Stress	168	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	222	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength (3.00 mm)	24	kV/mm	IEC 60243-1
Comparative Tracking Index	225	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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