

ESTOPLAST EP 4030

Polybutylene Terephthalate

Ester Industries Ltd.

Message:

ESTOPLAST EP 4030 is a Polybutylene Terephthalate (PBT) product filled with glass fiber. It is available in Africa & Middle East or Europe.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E178342-226560		
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D570
Flow	0.15 to 0.25	%	
Across Flow	1.4 to 1.6	%	
Water Absorption (Saturation)	0.30	%	DIN 53495/1L
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ASTM D638
Tensile Strength	130	MPa	ASTM D638
Flexural Strength	215	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	90	J/m	ASTM D256
Unnotched Izod Impact	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	224	°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
Electric Strength	28	kV/mm	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94

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