

ESTOPLAST EP 4020

Polybutylene Terephthalate

Ester Industries Ltd.

Message:

ESTOPLAST EP 4020 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			
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D570
Flow	0.20 to 0.30	%	
Across Flow	1.3 to 1.5	%	
Water Absorption (Saturation)	0.30	%	DIN 53495/1L
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8400	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Flexural Strength	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Unnotched Izod Impact	650	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	215	°C	
1.8 MPa, Unannealed	205	°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	27	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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