

ESTOPLAST MG 3020

Polybutylene Terephthalate + PET

Ester Industries Ltd.

Message:

ESTOPLAST MG 3020 is a Polybutylene Terephthalate + PET (PBT+PET) product filled with mineral. It is available in Africa & Middle East or Europe.
Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Mineral		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D570
Flow	1.4	%	
Across Flow	1.7	%	
Water Absorption (Saturation)	0.35	%	DIN 53495/1L
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ASTM D638
Tensile Strength	55.0	MPa	ASTM D638
Flexural Strength	98.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Unnotched Izod Impact	510	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	185	°C	
1.8 MPa, Unannealed	100	°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	22	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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