

Matrixx 30S5451

Polybutylene Terephthalate

The Matrixx Group, Inc.

Message:

Matrixx 30S5451 is a Polybutylene Terephthalate (PBT) material filled with 45% glass fiber. It is available in North America. Primary attribute of Matrixx 30S5451: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.68	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	145	MPa	ASTM D638
Flexural Modulus - Tangent	10300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	204	°C	
RTI Str	76.7	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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