

Matrixx 80M7451

Polyethylene Terephthalate

The Matrixx Group, Inc.

Message:

Matrixx 80M7451 is a Polyethylene Terephthalate (PET) material filled with 45% glass\mineral. It is available in North America. Primary attribute of Matrixx 80M7451: Flame Rated.

General Information			
Filler / Reinforcement	Glass\Mineral,45% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.18 mm)	145	MPa	ASTM D638
Flexural Modulus - Tangent (23°C, 3.18 mm)	11700	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	235	°C	
1.8 MPa, Unannealed, 3.18 mm	210	°C	
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	45	%	ASTM D5630

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Recommended distributors for this material

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