

# Matrixx 80S7451

Polyethylene Terephthalate

The Matrixx Group, Inc.

## Message:

Matrixx 80S7451 is a polyethylene terephthalate (PET) material, which contains a 45% glass fiber reinforced material. This product is available in North America. The main characteristics of Matrixx 80S7451 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	172	MPa	ASTM D638
Flexural Modulus - Tangent	13800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	238	°C	ASTM D648
1.8 MPa, not annealed	218	°C	ASTM D648
RTI	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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