

Matrixx FP63E23

Polyamide 6

The Matrixx Group, Inc.

Message:

Matrixx FP63E23 is a Polyamide 6 (Nylon 6) material filled with 23% glass fiber. It is available in North America. Primary attribute of Matrixx FP63E23: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,23% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	Internal Method
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)	6210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	202	°C	
1.8 MPa, Unannealed, 3.18 mm	196	°C	
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°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	23	%	ASTM D5630

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Recommended distributors for this material

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