

Matrixx FP62E43

Polyamide 6

The Matrixx Group, Inc.

Message:

Matrixx FP62E43 is a polyamide 6 (nylon 6) material, which contains a 43% glass fiber reinforced material. This product is available in North America and is processed by injection molding. The main characteristics of Matrixx FP62E43 are: flame retardant/rated flame.

The typical application fields of Matrixx FP62E43 are: industrial applications

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Uses	Industrial application		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 - 0.30	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	162	MPa	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	202	°C	ASTM D648
RTI	65.6	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 93.3	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	260 - 288	°C	
Middle Temperature	260 - 288	°C	
Front Temperature	260 - 288	°C	
Processing (Melt) Temp	260 - 293	°C	
Mold Temperature	82.2 - 93.3	°C	
Injection Rate	Fast		
Back Pressure	< 0.345	MPa	
Cushion	6.35 - 12.7	mm	
Injection instructions			

Dessicant dryer with -20°F dewpointScrew Speed: Slow to Medium

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Recommended distributors for this material

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