

Matrixx FP63E43

Polyamide 6
The Matrixx Group, Inc.

Message:

Matrixx FP63E43 is a polyamide 6 (nylon 6) material, which contains a 43% glass fiber reinforced material. This product is available in North America. The main characteristics of Matrixx FP63E43 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Forms	Particle		
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)	207	MPa	ASTM D638
Flexural Modulus - Tangent	10300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	130	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			
Screw Speed: Slow to MediumDessicant dryer with -20°F dewpoint			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

