

Matrixx FPP1A40CC

Polypropylene

The Matrixx Group, Inc.

Message:

Matrixx FPP1A40CC is a polypropylene material, and the filler is 40% glass fiber reinforced material. This product is available in North America and is processed by injection molding.

The main features of the Matrixx FPP1A40CC are:

flame retardant/rated flame

Chemical coupling

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Chemical coupling		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.10 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Flexural Modulus - Tangent	7380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	163	°C	ASTM D648
1.8 MPa, not annealed	152	°C	ASTM D648
RTI	65.6	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.			
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 104	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	199 - 243	°C	
Middle Temperature	199 - 243	°C	
Front Temperature	199 - 243	°C	
Processing (Melt) Temp	199 - 243	°C	
Mold Temperature	15.6 - 65.6	°C	

Injection Rate	Moderate	
Back Pressure	< 0.345	MPa
Screw Speed	20 - 60	rpm
Cushion	6.35 - 12.7	mm

Injection instructions

Drying not normally required

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Recommended distributors for this material


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