

# Matrixx FPP5A40CC

Polypropylene  
The Matrixx Group, Inc.

Message:

Matrixx FPP5A40CC is a polypropylene material, and the filler is 40% glass fiber reinforced material. This product is available in North America. The main features of the Matrixx FPP5A40CC are:  
flame retardant/rated flame  
Chemical coupling  
Impact resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Features	Chemical coupling		
	Impact resistance, high		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.5	MPa	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI	65.0	°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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