

Matrixx CPP5B20

Polypropylene Copolymer

The Matrixx Group, Inc.

Message:

Matrixx CPP5B20 is a polypropylene copolymer (PP Copoly) material, which contains 20% calcium carbonate filler. This product is available in North America and is processed by injection molding.

The main features of the Matrixx CPP5B20 are:

flame retardant/rated flame
Copolymer

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Features	Copolymer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1 - 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Dart Drop Impact	18.1	J	ASTM D5420
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	188 - 232	°C	
Middle Temperature	188 - 232	°C	
Front Temperature	188 - 232	°C	
Processing (Melt) Temp	199 - 232	°C	
Mold Temperature	21.1 - 48.9	°C	

Injection Rate	Moderate	
Back Pressure	0.138 - 2.07	MPa
Cushion	6.35 - 12.7	mm

Injection instructions

Drying not normally requiredInjection Booster Pressure: Maximum without flash, 60% of machine maximum, targetScrew Speed: Slow to Medium

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

