

Matrixx CPP1C45HSBK

Polypropylene Copolymer

The Matrixx Group, Inc.

Message:

Matrixx CPP1C45HSBK is a Polypropylene Copolymer (PP Copolymer) material filled with 45% calcium carbonate. It is available in North America for injection molding.

Important attributes of Matrixx CPP1C45HSBK are:

- Flame Rated
- Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,45% Filler by Weight		
Features	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3.18 mm)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.2	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus - Tangent	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Gardner Impact	6.78	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			Internal Method
1.59 mm	HB		
3.18 mm	HB		

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Recommended distributors for this material

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