

Technical Data Sheet

Matrixx CPP1C45HSBK

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 45% Filler by Weight
Features	• Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.27	1.27 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	16 g/10 min	16 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2500 psi	17.2 MPa	ASTM D638
Tensile Elongation (Break)	50 %	50 %	ASTM D638
Flexural Modulus - Tangent	290000 psi	2000 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.70 ft-lb/in	37 J/m	ASTM D256
Gardner Impact	60.0 in-lb	6.78 J	ASTM D3029

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore D, 0.125 In (3.18 Mm)	72	72	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	205 °F	96.1 °C	

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			Internal Method
0.06 In (1.6 Mm)	HB	HB	
0.13 In (3.2 Mm)	HB	HB	

Notes

These are typical property values not to be construed as specification limits.