

Technical Data Sheet

Matrixx TPP2B20HSUVBK55

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

Product Description

TPP2B20HSUVBK55 is a 20% Talc-Filled, Heat and UV Stabilized Polypropylene Homopolymer

General

Filler / Reinforcement	• Talc, 20% Filler by Weight	
Features	• Heat Stabilized	• UV Stabilized
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	4640 psi	32.0 MPa	ISO 527-2
Flexural Modulus - Chord	296000 psi	2040 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	2.2 ft·lb/in ²	4.7 kJ/m ²	ISO 180

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	350 to 430 °F	177 to 221 °C
Middle Temperature	350 to 430 °F	177 to 221 °C
Front Temperature	350 to 430 °F	177 to 221 °C
Processing (Melt) Temp	390 to 440 °F	199 to 227 °C
Mold Temperature	70 to 120 °F	21 to 49 °C
Injection Rate	Moderate	Moderate
Back Pressure	20.0 to 300 psi	0.138 to 2.07 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

Notes

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