

Technical Data Sheet

# Matrixx SPR3B20CC

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

SPR3B20CCBK21 is a 20% Glass/Talc-Filled Polypropylene

**General**

Filler / Reinforcement	• Glass\Talc, 20% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.05	1.05 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	7.3 g/10 min	7.3 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Strength (Yield, 73°f (23°c))	6090 psi	42.0 MPa	ASTM D638
Tensile Elongation (Yield)	9.3 %	9.3 %	ASTM D638
Flexural Modulus - Tangent (73°f (23°c))	401000 psi	2760 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact (73°f (23°c))	1.4 ft·lb/in	75 J/m	ASTM D256
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Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
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Durometer Hardness (Shore D)	67	67	ASTM D2240
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**Additional Information**

1EAF2A/PR2808  
 Revision: 5/2/2020

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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.