

Technical Data Sheet

**Matrixx WPP2C20**

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Mineral, 20% Filler by Weight		
Features	• Copolymer		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3500 psi	24.1 MPa	ASTM D638
Flexural Modulus	260000 psi	1790 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	40.0 in·lb	4.52 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
RTI Elec	149 °F	65.0 °C	UL 746B
RTI Imp	149 °F	65.0 °C	UL 746B
RTI Str	149 °F	65.0 °C	UL 746B
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	HB	HB	UL 94

Additional Information

The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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