

Technical Data Sheet

**Matrixx 30S5401**

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.63	1.63 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield, 73°F (23°C), 0.125 in (3.18 mm)	20000 psi	138 MPa	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 in (3.18 mm)	1.40E+6 psi	9650 MPa	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	1.8 ft·lb/in	96 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	437 °F	225 °C	
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	423 °F	217 °C	
RTI Elec	167 °F	75.0 °C	UL 746B
RTI Imp	167 °F	75.0 °C	UL 746B
RTI Str	167 °F	75.0 °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	Nominal Value (English)	Nominal Value (SI)	Test Method
Reinforcement Content	40 %	40 %	ASTM D5630

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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