

Technical Data Sheet

# Matrixx 30S5301

Polybutylene Terephthalate  
LyondellBasell Industries  
Engineering Plastics

**General**

- |                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Forms                  | • Pellets                           |

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.53	1.53 g/cm <sup>3</sup>	ASTM D792
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Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Strength (Yield)	18000 psi	124 MPa	ASTM D638
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Flexural Modulus - Tangent	1.00E+6 psi	6890 MPa	ASTM D790
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Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	1.5 ft·lb/in	80 J/m	ASTM D256
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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load			ASTM D648
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66 Psi (0.45 Mpa), Unannealed	415 °F	213 °C	
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264 Psi (1.8 Mpa), Unannealed	395 °F	202 °C	
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RTI Str	170 °F	76.7 °C	UL 746B
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Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
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Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94
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**Notes**

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