

Technical Data Sheet

# Matrixx 30S6301

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
Density / Specific Gravity	1.53	1.53 g/cm <sup>3</sup>	ASTM D792

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	18000 psi	124 MPa	ASTM D638
Flexural Modulus - Tangent	1.10E+6 psi	7580 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.6 ft·lb/in	85 J/m	ASTM D256

**Thermal**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	415 °F	213 °C	
264 Psi (1.8 Mpa), Unannealed	395 °F	202 °C	

**Flammability**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94

**Notes**

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