

Technical Data Sheet

# Matrixx 34S6201

Polybutylene Terephthalate  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.45	1.45 g/cm <sup>3</sup>	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)	14000 psi	96.5 MPa	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	825000 psi	5690 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)	0.90 ft·lb/in	48 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)	405 °F	207 °C	
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	383 °F	195 °C	

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm)	V-0	V-0	
0.12 In (3.0 Mm)	V-0	V-0	

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Reinforcement Content	20 %	20 %	ASTM D5630

**Notes**

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