

Technical Data Sheet

Matrixx 30S5201

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.45	1.45 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)	16000 psi	110 MPa	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	800000 psi	5520 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)	1.4 ft·lb/in	75 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)	410 °F	210 °C	
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	399 °F	204 °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	20 %	20 %	ASTM D5630

Notes

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