

Technical Data Sheet

Matrixx 30M5401

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.62	1.62 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus - Tangent 73°F (23°C), 0.125 In (3.18 Mm)	1.20E+6 psi	8270 MPa	ASTM D790
Flexural Strength Yield, 73°F (23°C), 0.125 In (3.18 Mm)	15000 psi	103 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	1.3 ft-lb/in	69 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed, 0.125 In (3.18 Mm)	420 °F	216 °C	ASTM D648
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	390 °F	199 °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.