

Technical Data Sheet

Matrixx 34S5070

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 7.0% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.44	1.44 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)	11000 psi	75.8 MPa	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	500000 psi	3450 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)	0.60 ft-lb/in	32 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)	347 °F	175 °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))	V-0	V-0	UL 94

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Reinforcement Content	7.0 %	7.0 %	ASTM D5630

Notes

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