

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			
Density / Specific Gravity	Nominal Value (English)	Nominal Value (SI)	Test Method
	1.44	1.44 g/cm ³	ASTM D792
Mechanical			
Tensile Strength	Nominal Value (English)	Nominal Value (SI)	Test Method
Yield, 73°F (23°C), 0.125 In (3.18 Mm)	11000 psi	75.8 MPa	ASTM D638
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	500000 psi	3450 MPa	
Impact			
Notched Izod Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
73°F (23°C), 0.125 In (3.18 Mm)	0.60 ft-lb/in	32 J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	Nominal Value (English)	Nominal Value (SI)	Test Method
66 Psi (0.45 Mpa), Unannealed, 0.125 In (3.18 Mm)	405 °F	207 °C	ASTM D648
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			
Flame Rating (0.06 In (1.5 Mm))	Nominal Value (English)	Nominal Value (SI)	Test Method
	V-0	V-0	UL 94
Additional Information			
Reinforcement Content	Nominal Value (English)	Nominal Value (SI)	Test Method
	7.0 %	7.0 %	ASTM D5630

Notes

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