

Technical Data Sheet

Matrixx 35S4302

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.58	1.58 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 Kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	17500 psi	121 MPa	ASTM D638
Flexural Modulus	1.10E+6 psi	7580 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.6 ft·lb/in	85 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	405 °F	207 °C	
264 Psi (1.8 Mpa), Unannealed	385 °F	196 °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			UL 94
0.06 In (1.5 Mm), Bk	V-0	V-0	
0.10 In (2.5 Mm), Bk	5VA	5VA	

Notes

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