

Technical Data Sheet

Matrixx 34N5000

Polybutylene Terephthalate
LyondellBasell Industries
Engineering Plastics

General	
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.40	1.40 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	8500 psi	58.6 MPa	ASTM D638
Flexural Modulus - Tangent	400000 psi	2760 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.60 ft·lb/in	32 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	320 °F	160 °C	
264 Psi (1.8 Mpa), Unannealed	155 °F	68.3 °C	

RTI Str	170 °F	76.7 °C	UL 746B
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Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm))	V-0	V-0	UL 94

Notes

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