

Technical Data Sheet

Matrixx 12N7006

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General			
Additive	• Flame Retardant		
Features	• Flame Retardant	• High Flow	• High Impact Resistance

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.940	0.938 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield, 73°F (23°C), 0.125 In (3.18 Mm)	2400 psi	16.5 MPa	
Tensile Elongation			ASTM D638
Yield, 73°F (23°C), 0.125 In (3.18 Mm)	8.0 %	8.0 %	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	110000 psi	758 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)	No Break	No Break	
Gardner Impact			ASTM D5420
73°F (23°C), 0.125 In (3.18 Mm)	160 in-lb	18.1 J	

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)	175 °F	79.4 °C	
RTI Elec (0.06 In (1.5 Mm))	239 °F	115 °C	UL 746B
RTI Imp (0.06 In (1.5 Mm))	239 °F	115 °C	UL 746B
RTI Str (0.06 In (1.5 Mm))	239 °F	115 °C	UL 746B

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm))	V-2	V-2	UL 94

Notes

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