

Technical Data Sheet

Matrixx 12N6002N

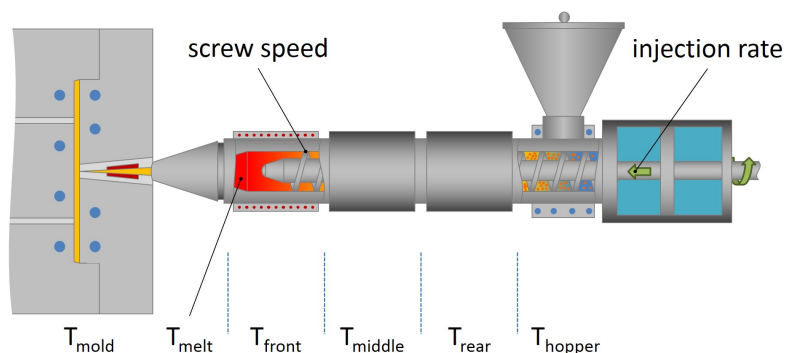
Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General			
Additive	• Flame Retardant		
Features	• Flame Retardant		
UL File Number	• E51193		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.940	0.938 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	18 g/10 min	18 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)	3300 psi	22.8 MPa	
Tensile Elongation			ASTM D638
Yield, 73°F (23°C), 0.125 In (3.18 Mm)	13 %	13 %	
Flexural Modulus - Tangent			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm)	170000 psi	1170 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)	2.5 ft·lb/in	130 J/m	
Gardner Impact			ASTM D5420
73°F (23°C), 0.125 In (3.18 Mm)	170 in·lb	19.2 J	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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			UL 94
0.04 In (1.0 Mm)	V-2	V-2	
0.06 In (1.5 Mm)	V-2	V-2	
0.12 In (3.0 Mm)	V-2	V-2	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Processing (Melt) Temp	360 to 440 °F	182 to 227 °C
Mold Temperature	90 to 150 °F	32 to 66 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	< 100 psi	< 0.689 MPa
Screw Speed	20 to 60 rpm	20 to 60 rpm

Notes

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