Technical Data Sheet

Matrixx 14N6002N

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

Product Description
Matrixx 14N6002N is a Medium Impact Flame Retardant Polypropylene Copolymer

General	
Additive	• Flame Retardant
UL File NumberUsa	• E51193
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00 g/cm³	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 (Yield)	3500 psi	24.1 MPa	ASTM D638
Flexural Modulus - Tangent	160000 psi	1100 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	2.0 ft·lb/in	110 J/m	ASTM D256
Gardner Impact	170 in·lb	19.2 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	175 °F	79.4 °C	
264 Psi (1.8 Mpa), Unannealed	125 °F	51.7 °C	
RTI Elec	230 °F	110 °C	UL 746B
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating [1] (0.12 In (3.0 Mm))	V-0	V-0	UL 94

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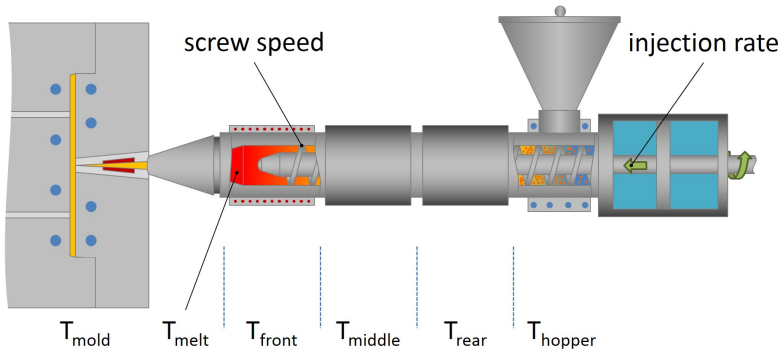

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature - Desiccant Dryer	180 °F	82 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	360 to 390 °F	182 to 199 °C
Middle Temperature	370 to 420 °F	188 to 216 °C
Front Temperature	370 to 420 °F	188 to 216 °C
Nozzle Temperature	370 to 440 °F	188 to 227 °C
Processing (Melt) Temp	370 to 440 °F	188 to 227 °C
Mold Temperature	80 to 140 °F	27 to 60 °C
Injection Rate	Moderate	Moderate
Back Pressure	0.00 to 100 psi	0.00 to 0.689 MPa

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Notes

[1] Recognized by Underwriters Laboratories, File E158835, all colors

Notes

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