Technical Data Sheet

LyondellBasell

Matrixx 14N6002N

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

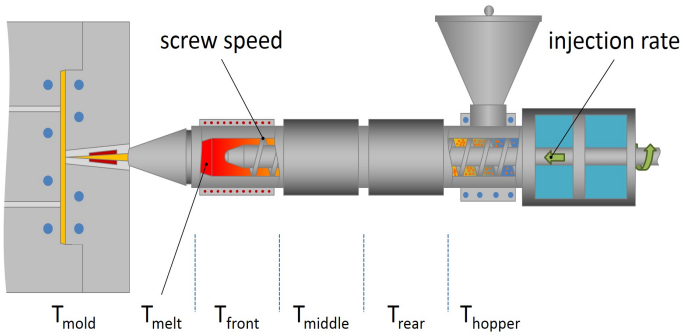
Product Description	
Matrixx 14N6002N is a Medium Impact Flame Retardant Polypropylene Copolymer	
General	
Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
UL File NumberUSA	• E51193
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection 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]			UL 94
0.06 in (1.5 mm)	V-0	V-0	
0.12 in (3.0 mm)	V-0	V-0	

Technical Data Sheet

Matrixx 14N6002N

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics



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

Technical Data Sheet

Matrixx 14N6002N

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

Notes

[1] Recognized by Underwriters Laboratories, File E51193, all colors

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.