

Technical Data Sheet

Polyflam 14N6002NCBLK



Polypropylene Copolymer

Product Description

Matrixx 14N6002N is a Medium Impact Flame Retardant Polypropylene Copolymer

Regulatory Status

For regulatory compliance information, see 14N6002NCBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density - Specific Gravity	1	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	24.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	1100	MPa	ASTM D790
Impact			
Gardner Impact	19.2	J	ASTM D5420
Notched Izod Impact	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	51.7	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	79.4	°C	ASTM D648
RTI Elec	110	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	V-0		UL 94
UL File Number, (USA)	E51193		



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°C
Nozzle Temperature	188 to 227	°C
Processing (Melt) Temp	188 to 227	°C
Front Temperature	188 to 216	°C
Middle Temperature	188 to 216	°C
Rear Temperature	182 to 199	°C
Injection Rate	Moderate	
Back Pressure	0.00 to 0.689	MPa
Mold Temperature	27 to 60	°C

Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

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.

Company Information

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

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