

Technical Data Sheet

**Matrixx 12N1006NO**

Polypropylene
LyondellBasell Industries
Engineering Plastics

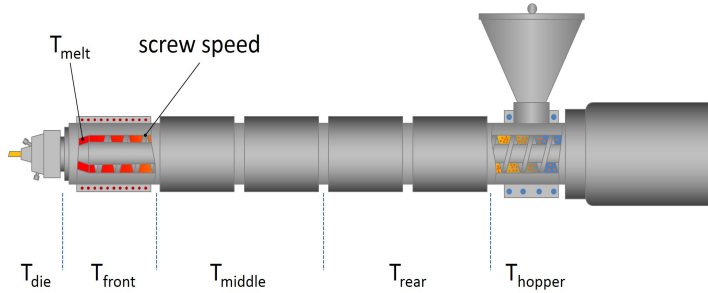
General				
Material Status	• Commercial: Active			
Availability	• North America			
Additive	• Flame Retardant			
Features	• Flame Retardant		• Low Blooming	
Forms	• Pellets			
Physical	Nominal Value (English)		Nominal Value (SI)	Test Method
Density / Specific Gravity	• 1.00	• 1.00	1.00 g/cm³	ASTM D792
	• 1.00	• 1.00	1.00	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 g/10 min		8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)		Nominal Value (SI)	Test Method
Tensile Strength (Yield)	5000 psi		34.5 MPa	ASTM D638
Flexural Modulus - Tangent	210000 psi		1450 MPa	ASTM D790
Impact	Nominal Value (English)		Nominal Value (SI)	Test Method
Notched Izod Impact	0.50 ft·lb/in		27 J/m	ASTM D256
Thermal	Nominal Value (English)		Nominal Value (SI)	Test Method
Deflection Temperature Under Load				ASTM D648
66 psi (0.45 MPa), Unannealed	205 °F		96.1 °C	
RTI Str	250 °F		121 °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

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Extrusion	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Drying Time	4.0 hr	4.0 hr
Cylinder Zone 1 Temp.	350 to 420 °F	177 to 216 °C
Cylinder Zone 2 Temp.	350 to 420 °F	177 to 216 °C
Cylinder Zone 3 Temp.	350 to 440 °F	177 to 227 °C
Cylinder Zone 4 Temp.	350 to 440 °F	177 to 227 °C
Cylinder Zone 5 Temp.	350 to 440 °F	177 to 227 °C
Melt Temperature	350 to 440 °F	177 to 227 °C

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/>.

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