

Technical Data Sheet

**Rxloy FFS-NPP00NP03NA**

Polypropylene Alloy
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Features	• Ethylene Oxide Sterilizable	• Radiation Sterilizable
	• Good Flexibility	• Steam Sterilizable
Uses	• Medical/Healthcare Applications	• Packaging
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Blow Molding	• Film Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.3 g/10 min	4.3 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1650 psi	11.4 MPa	ASTM D638
Tensile Elongation (Break)	420 %	420 %	ASTM D638
Flexural Modulus	54000 psi	372 MPa	ASTM D790
Flexural Strength (Yield)	2200 psi	15.2 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	55	55	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	220 °F	104 °C	ASTM D1525

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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