

Technical Data Sheet

**Icorene N4435**

Polypropylene Homopolymer
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N4435 is a polypropylene homopolymer with a high fluidity.

This grade is suitable for masterbatch applications.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• No Additive Specified	• Antioxidant	
Features	• Good Processability • High Clarity	• High Flow • High Gloss	• Homopolymer
Uses	• Masterbatch		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.905 g/cm ³	0.905 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 g/10 min	35 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	5220 psi	36.0 MPa	ASTM D638
Tensile Elongation (Yield)	10 %	10 %	ASTM D638
Flexural Modulus	261000 psi	1800 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.45 ft·lb/in	24 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	230 °F	110 °C	ISO 75-2/B
Vicat Softening Temperature	311 °F	155 °C	ASTM D1525 ¹

Notes

¹ Rate B (120°C/h), Loading 2 (50 N)

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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