

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

Additive	• No Additive Specified	• Antioxidant	
Features	• Good Processability • High Clarity	• High Flow • High Gloss	• Homopolymer
Uses	• Masterbatch		
Agency Ratings	• EU Food Contact	• FDA Food Contact	
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.