

Technical Data Sheet

# Icorene N4425

Polypropylene Homopolymer  
LyondellBasell Industries  
Custom Powders

## Product Description

ICORENE® N4425 is a polypropylene homopolymer with a high fluidity.

This grade is suitable for injection moulding and its main applications are thin walled packaging items or housewares.

## General

Features	• High Flow	• Homopolymer
Uses	• Compounding	• Masterbatch
Forms	• Powder	• Thin-walled Packaging

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	25 g/10 min	25 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4350 psi	30.0 MPa	ASTM D638
Tensile Elongation (Yield)	10 %	10 %	ASTM D638
Flexural Modulus	181000 psi	1250 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.9 ft·lb/in <sup>2</sup>	4.0 kJ/m <sup>2</sup>	ISO 179/1eA
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	69	69	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	203 °F	95.0 °C	ISO 75-2/B

## Notes

These are typical property values not to be construed as specification limits.