

## 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 | • Thin-walled Packaging |
| Forms    | • Powder      |               |                         |

| 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<br>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.

