Technical Data Sheet

Icorene N4425-2000 NAT 0000

Polypropylene, Homopolymer

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.

Regulatory Status

For regulatory compliance information, see *Icorene* N4425-2000 NAT 0000 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Compounding
Attribute	High Flow; Homopolymer
Forms	Powder
Application	Masterbatch; Thin-walled Packaging

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ASTM D1238
Density	0.9	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	30	MPa	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m²	ISO 179
Hardness			
Durometer Hardness, (Shore D)	69		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	95	°C	ISO 75-2/B

Manufacturer website: https://www.lyondellbasell.com/en/

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.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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