Technical Data Sheet

Icorene N4450-2000 NAT

Polypropylene, Homopolymer

Product Description

Icorene N4450 is a polypropylene homopolymer with a high fluidity, a good transparency and gloss properties. It contains a combined a processing and an antistatic additive package.This grade is suitable for injection moulding and masterbatch applications. Its main applications are thin walled packaging items or housewares.

Regulatory Status

For regulatory compliance information, see *Icorene* N4450-2000 NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	47	g/10 min	ASTM D1238
Density	0.905	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	41	MPa	ASTM D638
Tensile Strength at Break	22	MPa	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Tensile Elongation at Break	500	%	ASTM D638
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	2.0	kJ/m²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	108	°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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