

## 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.

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
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	47	g/10 min	ASTM D1238
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	2.0	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (0.45 MPa)	108	°C	ISO 75-2/B