

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.

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/cm ³	ASTM D1505
Mechanical			
Tensile Elongation at Yield	10	%	ASTM D638
Tensile Strength at Yield	30	MPa	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m ²	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