

Technical Data Sheet

Icorene N4412-2000 NAT 0000

Polypropylene, Homopolymer

Product Description

Icorene N4412 is a medium high flow polypropylene homopolymer powder. Typical uses for this grade are in the production of PP masterbatch.

Processing Method	Compounding
Attribute	High Flow; Homopolymer
Forms	Powder
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133
Density	0.905	g/cm ³	ISO 1183
Mechanical			
Tensile Elongation at Yield	10	%	ISO 527-2
Tensile Strength at Yield	32.0	MPa	ISO 527-2
Flexural Modulus	1450	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	100	°C	ISO 75-2/B