

## 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.

<b>Processing Method</b>	Compounding
<b>Attribute</b>	High Flow; Homopolymer
<b>Forms</b>	Powder
<b>Application</b>	Masterbatch

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