

## Technical Data Sheet

### *Icorene* N2105-1000 NAT0000XX



Low Density Polyethylene

#### Product Description

*Icorene* N2105 is a low density polyethylene resin suitable for general purposes. It is characterized by good toughness and flexibility. This grade is successfully used for compound and masterbatch applications due to its excellent fluidity.

<b>Processing Method</b>	Compounding
<b>Attribute</b>	Good Flexibility; Good Flow; Good Toughness
<b>Forms</b>	Powder
<b>Application</b>	General Purpose; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	21	g/10 min	ASTM D1238
Density	0.917	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Yield	10	MPa	ASTM D638
Tensile Elongation at Break	120	%	ASTM D638
<b>Hardness</b>			
Durometer Hardness, (Shore D)	44		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	82	°C	ASTM D1525
Peak Melting Temperature	106	°C	ASTM D3418