

## Technical Data Sheet

### *Icorene* N2170-500 NAT0000



Low Density Polyethylene

#### Product Description

*Icorene* N2170 is a low density polyethylene resin with an excellent fluidity. It can be successfully added to low flowing LDPE grades to improve their processability. This grade is also used for compound and masterbatch applications.

<b>Processing Method</b>	Compounding
<b>Attribute</b>	Good Processability; High Flow
<b>Forms</b>	Powder
<b>Application</b>	Blending; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	70	g/10 min	ASTM D1238
Density	0.916	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Break	7	MPa	ASTM D638
Flexural Modulus	150	MPa	ASTM D790
<b>Hardness</b>			
Durometer Hardness, (Shore D)	40		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	77	°C	ASTM D1525
Peak Melting Temperature	102	°C	ASTM D3418