

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.

Processing Method	Compounding
Attribute	Good Flexibility; Good Flow; Good Toughness
Forms	Powder
Application	General Purpose; Masterbatch

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