

Technical Data Sheet

Icorene N2100-1000 NAT



Low Density Polyethylene

Product Description

Icorene N2100 is a low density polyethylene resin designed for the production of medium/high voltage power cable insulation, blown film extrusion. This grade is characterized by a good balance between processability, mechanical and optical properties.

Attribute	Good Optical Properties; Good Processability
Forms	Powder
Application	Blown Film

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	2.0	g/10 min	ASTM D1238
Density	0.923	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	10	MPa	ASTM D638
Flexural Modulus	200	MPa	ASTM D790
Tensile Elongation at Break	650	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	46		ASTM D2240
Thermal			
Vicat Softening Temperature	90	°C	ASTM D1525
Peak Melting Temperature	110	°C	ASTM D3418