

Technical Data Sheet

Icorene N2301-400 NAT



Linear Low Density Polyethylene

Product Description

Icorene N2301 is a premium linear low density polyethylene which offers excellent stiffness and good environmental stress crack resistance. This grade is mainly used for masterbatch applications.

Attribute	Good Stiffness; Heat Stabilized; High ESCR (Environmental Stress Cracking Resistance)
Forms	Powder
Additive	Heat Stabilizer
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density	0.924	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	12	MPa	ASTM D638
Environmental Stress Crack Resistance, (10% Igepal, 50 °C)	30.0	hr	ASTM D1693
Tensile Elongation at Break	150	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	55		ASTM D2240
Thermal			
Vicat Softening Temperature	94	°C	ASTM D1525
Peak Melting Temperature	123	°C	ASTM D3418