HDPE PE 100N

High Density Polyethylene

StarResin

Overview

HDPE PE100N is a bimodal, high molecular weight, high density resin designed for the most demanding requirements of pressure pipe applications. This resin has an excellent balance of physical properties and extrusion processability.

Applications

- Potable water piping
- Oil and gas gathering and distribution
- Sewer systems
- Mining, chemical and industrial applications

Property	Value	Unit	ASTM
Melt index (condition 190°C/2.16 kg)	0.04	g/10 min	D 1238
Density (g/cm³)	0.948	g/cm³	D 792
Melt Index HLMI	6.7	g/10min	D1238
Tensile Strength at Yield	> 3500	psi	D638
Elongation at Break	>600	%	D638
Flexural Modulus, 2% Secant	>115000	psi	D790
Flexural Modulus, 1% Secant	> 135000	psi	D790
Pent Slow Crack Growth	> 2000	h	F1473
Thermal Stability Temperature	> 500	°F	D3350
Brittleness Temperature	< -95	°F	D746
Notched Izod Impact @ 23 °C	9.1	ft-lb/in	D256

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.