

Pipe Extrusion

Applications

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

Description

HDPE PE80N is a high performance copolymer that is designed for the most demanding requirements of pressure pipe applications. This resin has good long-term hoop strength performance, very high melt strength and outstanding toughness even at low temperatures.

Property	Value	Unit	Method
Melt Index 190°C/2.16 kg	0.11	g/10min	D 1238
Melt Index HLMI 190°C/21.6 kg	12	g/10min	D 1238
Density	.944	g/cc	D 1505
ESCR (100% Igepal), F ₅₀	> 1000	h	D 1693
Tensile Strength at Yield	3200	psi	D 638
Tensile Strength at Break	5000	psi	D 638
Ultimate Elongation	> 500	%	D 638
Flexural Modulus	110000	psi	D 3350
Flexural Modulus	140000	psi	D 790
Brittleness Temperature	< -130	°F	D 746
Pent Slow Crack Growth	150	h	F 1473

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.

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