



Exelene[®] HDPE

Product Data Sheet

High Density Polyethylene

HMW Bimodal Resin

Pressure Pipe Resin - NON CERTIFIED

PE100

Melt Flow Rate 0.04

Density 0,949

Applications

- Potable Water; Oil and Gas Gathering and distribution; chemical, Industrial and Mining; and Sewer Systems
- Blending

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	Condition E D 1238 (190°C; 2,16 kgf)	g/10 min	0.04
	Condition F D 1238 (190°C; 21,6 kgf)	g/10 min	7.00
Density	D 792 (23°C)	g/cm ³	0.949
Nominal Physical Properties			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	3,500
Tensile Strenght @ break	D 638 (50 mm/min, IV)	psi	5,100
Tensile Elongation @ break	D 638 (50 mm/min, IV)	%	615
Flexural Modulus (2% Secant)	D 790	psi	146,000
PENT	F 1473	hours	>2,000

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