

Petromont 4102 High Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Petromont HDPE 4102 is a high density polyethylene copolymer resin produced using the UNIPOL® Process. This resin is intended for general use in large diameter light weight drainage tubing applications. Petromont HDPE 4102 is a medium molecular weight hexene modified resin with a broad molecular weight distribution offering an excellent combination of mechanical properties (excellent toughness and good stiffness) and stress cracking resistance, as well as excellent extrusion characteristics and processability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petromont-4102-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 600 hour	>= 600 hour	F₅₀; ASTM D1693-B
Melt Flow	0.15 g/10 min	0.15 g/10 min	I₂; ASTM D1238
	15 g/10 min	15 g/10 min	I₂₁; ASTM D238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.14 GPa	165 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Pipe Extrusion	

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