

Petromont 4100 High Density Polyethylene Resin

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

Material Notes:

Petromont HDPE 4100 is a high density polyethylene copolymer resin produced using the UNIPOL® Process. This resin is designed for general use in large diameter heavy duty and non pressure pipe applications. The applications include profile and corrugated pipes, sewers, culverts and communication conduits. Petromont HDPE 4100 is a high molecular weight hexene modified resin with a broad molecular weight distribution offering excellent extrusion characteristics and processability, combined with an excellent toughness and excellent stress cracking resistance. This grade's material classification is PE345440A according to the standard ASTM D 3350-02a, according to D 3350-05, it became PE445440A. It is not a pressure rated resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petromont-4100-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 2000 hour	>= 2000 hour	F₅₀; ASTM D1693-B
ESCR 10% Igepal®	>= 1000 hour	>= 1000 hour	F₅₀; ASTM D1693-B
Melt Flow	0.10 g/10 min	0.10 g/10 min	I₂; ASTM D1238
	10 g/10 min	10 g/10 min	I₂₁; ASTM D238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.5 MPa	5000 psi	ASTM D638
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	ASTM D790
Izod Impact, Notched	>= 2.13 J/cm	>= 3.99 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Process	Pipe Extrusion	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China