

Petromont 7001 Medium Density Polyethylene Resin

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

Material Notes:

Petromont HDPE 7001 is a medium-density polyethylene hexene modified resin with an excellent balance of chemical resistance and durability. It is designed to be readily processed by flat die extrusion equipment. Petromont HDPE 7001 is an unpigmented polyethylene compound which, after proper incorporation of carbon black, may be used for geomembrane applications, such as liners for landfills and surface impoundments, where polyethylene is the material of choice. Comprehensive information on such facilities is available in documents issued by the U.S.A EPA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petromont-7001-Medium-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.9385 g/cc	0.03391 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 2000 hour	>= 2000 hour	F ₅₀ ; ASTM D1693-B
Oxidative Induction Time (OIT)	>= 100 min	>= 100 min	At 200°C with oxygen in aluminum pan.; ASTM D3895
Melt Flow	0.20 g/10 min	0.20 g/10 min	I ₂ ; ASTM D1238
	20 g/10 min	20 g/10 min	I ₂₁ ; ASTM D238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ASTM D638
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	>= 850 %	>= 850 %	ASTM D638
Flexural Modulus	0.650 GPa	94.3 ksi	ASTM D790

Descriptive Properties	Value	Comments
Process	Sheet Extrusion	

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