

ExxonMobil HDPE HD 7960..13 High Density Polyethylene Resin

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

Material Notes:

Product Description: HD 7960.13 is a high molecular weight HDPE blown film resin. Films made from HD 7960.13 exhibit excellent impact and toughness properties, as well as high stiffness. HD 7960.13 is particularly recommended for films less than 0.5 mil in thickness.
Availability: Latin America, North America and South America
Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes
Applications: Blown FilmGrocery SacksInstitutional Can LinersMerchandise BagsProduce Bags on a RollTrash BagsInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-796013-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ExxonMobil method
Melt Flow	0.60 g/10 min	0.60 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	10 g/10 min	10 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	37.9 MPa	5500 psi	ASTM D882
Film Tensile Strength at Yield, TD	33.1 MPa	4800 psi	ASTM D882
Film Elongation at Break, MD	270 %	270 %	ASTM D882
Film Elongation at Break, TD	380 %	380 %	ASTM D882
Elmendorf Tear Strength MD	7.0 g	7.0 g	ASTM D1922
Elmendorf Tear Strength TD	30 g	30 g	ASTM D1922
Dart Drop Test	<= 300 g	<= 0.662 lb	ASTM D1709A
Film Tensile Strength at Break, MD	82.7 MPa	12000 psi	ASTM D882
Film Tensile Strength at Break, TD	68.9 MPa	10000 psi	ASTM D882
1% Secant Modulus, MD	1030 MPa	150000 psi	ASTM D882
1% Secant Modulus, TD	1100 MPa	160000 psi	ASTM D882

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