

ExxonMobil HDPE HD 7925.30 High Density Polyethylene Resin

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

Material Notes:

Product Description: HD 7925.30 is a medium molecular weight HDPE homopolymer for use in blown and cast film applications. Typical applications include those with low WVTR and clarity requirements. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Barrier Food PackagingBlown FilmFood packagingHeavy Duty BagsOriented Film ProductsSkin Layer for OPPStand Up PouchesInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-792530-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0349 lb/in ³	ExxonMobil method
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	31.7 MPa	4600 psi	ASTM D882
Film Tensile Strength at Yield, TD	27.6 MPa	4000 psi	ASTM D882
Film Elongation at Break, MD	790 %	790 %	ASTM D882
Elmendorf Tear Strength MD	9.0 g	9.0 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Dart Drop Test	<= 50.0 g	<= 0.110 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	ASTM D882
Film Tensile Strength at Break, TD	38.6 MPa	5600 psi	ASTM D882
1% Secant Modulus, MD	1030 MPa	150000 psi	ASTM D882
1% Secant Modulus, TD	1520 MPa	220000 psi	ASTM D882

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