

ExxonMobil HDPE HD 7845.30 High Density Polyethylene Resin

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

Material Notes:

Product Description: HD 7845.30 can be processed on high stalk, pocket extrusion or cast lines. Films made from HD 7845.30 exhibit an excellent stiffness balance. High thermal stability provides excellent film appearance and high quality recycle. HD 7845.30 is particularly recommended as a blend component with LLDPE for stiff clear films. **Availability:** Latin America, North America and South America

Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Blown FilmDeli WrapFood packagingHeavy Duty BagsOriented Film ProductsOverwrap FilmSurface Protection Film

Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-784530-High-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ExxonMobil method
Melt Flow	0.45 g/10 min	0.45 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	30 g/10 min	30 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	34.5 MPa	5000 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.1 MPa	1900 psi	ASTM D882
Film Elongation at Break, MD	420 %	420 %	ASTM D882
Elmendorf Tear Strength MD	9.0 g	9.0 g	ASTM D1922
Elmendorf Tear Strength TD	780 g	780 g	ASTM D1922
Dart Drop Test	<= 40.0 g	<= 0.0882 lb	ASTM D1709A
Film Tensile Strength at Break, MD	82.7 MPa	12000 psi	ASTM D882
Film Tensile Strength at Break, TD	36.5 MPa	5300 psi	ASTM D882
1% Secant Modulus, MD	1100 MPa	160000 psi	ASTM D882
1% Secant Modulus, TD	1590 MPa	230000 psi	ASTM D882

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