

ExxonMobil™ HDPE HD 7960.13

High Density Polyethylene Resin

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.

General

Availability ¹	• Latin America	• North America	• South America
Additive	• Antiblock: No	• Slip: No	• Thermal Stabilizer: Yes
Applications	• Blown Film • Grocery Sacks	• Institutional Can Liners • Merchandise Bags	• Produce Bags On A Roll • Trash Bags
Revision Date	• March 2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.952 g/cm ³	0.952 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.060 g/10 min	0.060 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Peak Melting Temperature	264 °F	129 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	5400 psi	37 MPa	ASTM D882
Tensile Strength at Yield TD	4500 psi	31 MPa	ASTM D882
Tensile Strength at Break MD	12000 psi	80 MPa	ASTM D882
Tensile Strength at Break TD	11000 psi	70 MPa	ASTM D882
Elongation at Break MD	280 %	280 %	ASTM D882
Elongation at Break TD	340 %	340 %	ASTM D882
Secant Modulus MD - 1% Secant	140000 psi	990 MPa	ASTM D882
Secant Modulus TD - 1% Secant	150000 psi	1100 MPa	ASTM D882
Dart Drop Impact	300 g	300 g	ASTM D1709A
Elmendorf Tear Strength MD	9 g	9 g	ASTM D1922
Elmendorf Tear Strength TD	20 g	20 g	ASTM D1922

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Film data was obtained on 0.5 mil / 13 micron film with a 4.0:1 blow-up ratio and a stalk height of 7x die diameter.

Typical properties: these are not to be construed as specifications.

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ExxonMobil Chemical ExxonMobil™ HDPE HD 7960.13 High Density Polyethylene Resin

Notes

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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