

ExxonMobil™ HDPE HD 7845.30

High Density Polyethylene Resin

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.

General

Availability ¹	<ul style="list-style-type: none"> Latin America North America
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> Blown Film Delic Wrap Food packaging Heavy Duty Bags Oriented Film Products Overwrap Film Surface Protection Film
Revision Date	<ul style="list-style-type: none"> 01/01/2012

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.958 g/cm ³	0.958 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.45 g/10 min	0.45 g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	30 g/10 min	30 g/10 min	ASTM D1238

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	5000 psi	34 MPa	ASTM D882
Tensile Strength at Yield TD	1900 psi	13 MPa	ASTM D882
Tensile Strength at Break MD	12000 psi	80 MPa	ASTM D882
Tensile Strength at Break TD	5300 psi	37 MPa	ASTM D882
Elongation at Break MD	420 %	420 %	ASTM D882
Elongation at Break TD	4 %	4 %	ASTM D882
Secant Modulus MD - 1% Secant	160000 psi	1100 MPa	ASTM D882
Secant Modulus TD - 1% Secant	230000 psi	1600 MPa	ASTM D882
Dart Drop Impact	< 40 g	< 40 g	ASTM D1709A
Elmendorf Tear Strength MD	9 g	9 g	ASTM D1922
Elmendorf Tear Strength TD	780 g	780 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 (1 mil / 25.4 micron) data was obtained on a 2.5 inch blown film line (pocket) with a 2.5:1 blow-up ratio and 60 mil die gap.

Notes

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

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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