

Exceed™ 1015HA mVLDPE

Metallocene Polyethylene Resin

Product Description

EXCEED 1015HA mVLDPE resin is a metallocene ethylene-hexene copolymer. Films made from EXCEED 1015HA mVLDPE resin have outstanding cold temperature toughness, impact strength and puncture. These superior strength properties, along with excellent heat sealing and hot tack performance, make this a very versatile packaging film resin.

General

Availability ¹	• Latin America	• North America	• South America
Additive	• Antiblock: No • Slip: No	• Processing Aid: Yes • Thermal Stabilizer: Yes	
Applications	• Bag in Box • Barrier Food Packaging • Blown Film • Food packaging	• Form Fill And Seal Packaging • Freezer Film • Heavy Duty Bags • Ice Bags	• Lamination Film • Multilayer Packaging Film • Stand Up Pouches
Revision Date	• May 2011		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.915 g/cm ³	0.915 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Peak Melting Temperature	243 °F	117 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	1100 psi	7.9 MPa	ASTM D882
Tensile Strength at Yield TD	1100 psi	7.9 MPa	ASTM D882
Tensile Strength at Break MD	10000 psi	70 MPa	ASTM D882
Tensile Strength at Break TD	8600 psi	60 MPa	ASTM D882
Elongation at Break MD	530 %	530 %	ASTM D882
Elongation at Break TD	650 %	650 %	ASTM D882
Secant Modulus MD - 1% Secant	21000 psi	150 MPa	ASTM D882
Secant Modulus TD - 1% Secant	23000 psi	160 MPa	ASTM D882
Dart Drop Impact	890 g	890 g	ASTM D1709A
Elmendorf Tear Strength MD	230 g	230 g	ASTM D1922
Elmendorf Tear Strength TD	350 g	350 g	ASTM D1922
Puncture Force	13 lbf	56 N	ExxonMobil Method
Puncture Energy	45 in·lb	5.1 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	37	37	ASTM D2457
Haze	17 %	17 %	ASTM D1003

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

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ExxonMobil Chemical Exceed™ 1015HA mVLDPE Metallocene Polyethylene Resin

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) made from Exceed 1015CA mVLDPE on a 2.5 inch blown film line having a 6 inch die with a 60 mil die gap at a 2.5:1 blow-up ratio, a melt temperature of 404-411°F (206-211°C), 30 inch frostline height and 10 lbs/hr/die inch.

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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