

Exceed™ 1518HA

Metalocene Polyethylene Resin

Product Description

Exceed 1518HA resin is a metallocene ethylene-hexene copolymer. Films made from Exceed 1518HA resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this resin a very versatile packaging film resin.

General

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

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.918 g/cm ³	0.918 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.5 g/10 min	1.5 g/10 min	ASTM D1238
Peak Melting Temperature	246 °F	119 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	1200 psi	8.5 MPa	ASTM D882
Tensile Strength at Yield TD	1300 psi	9.1 MPa	ASTM D882
Tensile Strength at Break MD	9000 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	7800 psi	50 MPa	ASTM D882
Elongation at Break MD	600 %	600 %	ASTM D882
Elongation at Break TD	710 %	710 %	ASTM D882
Secant Modulus MD - 1% Secant	24000 psi	160 MPa	ASTM D882
Secant Modulus TD - 1% Secant	26000 psi	180 MPa	ASTM D882
Dart Drop Impact	990 g	990 g	ASTM D1709A
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	400 g	400 g	ASTM D1922
Puncture Force	10 lbf	43 N	ExxonMobil Method
Puncture Energy	26 in·lb	3.0 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	17	17	ASTM D2457
Haze	38 %	38 %	ASTM D1003

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

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ExxonMobil Chemical Exceed™ 1518HA 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 1518CA on a 2.5 inch blown line equipped with a 2.5:1 blow-up ratio, 60 mil die gap, 401°F melt temperature, 25 inch frostline 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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