

Exceed™ 1518HA

Metallocene 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	<ul style="list-style-type: none"> Latin America North America
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No Processing Aid: Yes Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 12/01/2012

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	244 °F	118 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	1300 psi	9.2 MPa	ASTM D882
Tensile Strength at Yield TD	1400 psi	9.7 MPa	ASTM D882
Tensile Strength at Break MD	9200 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	8400 psi	60 MPa	ASTM D882
Elongation at Break MD	550 %	550 %	ASTM D882
Elongation at Break TD	690 %	690 %	ASTM D882
Secant Modulus MD - 1% Secant	26000 psi	180 MPa	ASTM D882
Secant Modulus TD - 1% Secant	28000 psi	190 MPa	ASTM D882
Dart Drop Impact	640 g	640 g	ASTM D1709A
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	420 g	420 g	ASTM D1922
Puncture Force	11 lbf	48 N	ExxonMobil Method
Puncture Energy	36 in·lb	4.1 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	20	20	ASTM D2457
Haze	40 %	40 %	ASTM D1003

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 1518HA on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 400°F (204°C), a 60 mil (1.52 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm).

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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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