

# Exceed™ 1518KC

## Metallocene Polyethylene Resin

### Product Description

Exceed 1518KC resin is a metallocene ethylene-hexene copolymer. Films made from Exceed 1518KC resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, allow downgauging.

### General

Availability <sup>1</sup>	• Latin America	• North America	• South America
Additive	• Antiblock: 5000 ppm • Slip: 800 ppm	• Processing Aid: Yes • Thermal Stabilizer: Yes	
Applications	• Bag in Box • Barrier Food Packaging • Blown Film	• Form Fill And Seal Packaging • General Packaging • Ice Bags	• Packaging Films • Premium Trash Bags • Stand Up Pouches
Revision Date	• December 2012		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.918 g/cm <sup>3</sup>	0.918 g/cm <sup>3</sup>	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	1300 psi	9.2 MPa	ASTM D882
Tensile Strength at Yield TD	1300 psi	9.1 MPa	ASTM D882
Tensile Strength at Break MD	7800 psi	50 MPa	ASTM D882
Tensile Strength at Break TD	6300 psi	43 MPa	ASTM D882
Elongation at Break MD	530 %	530 %	ASTM D882
Elongation at Break TD	620 %	620 %	ASTM D882
Secant Modulus MD	25000 psi	170 MPa	ASTM D882
Secant Modulus TD	27000 psi	180 MPa	ASTM D882
Dart Drop Impact	470 g	470 g	ASTM D1709A
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	440 g	440 g	ASTM D1922
Puncture Force	8 lbf	35 N	ExxonMobil Method
Puncture Energy	16 in·lb	1.9 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss	40	40	ASTM D2457
Haze	17 %	17 %	ASTM D1003

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

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# ExxonMobil Chemical Exceed™ 1518KC Metallocene Polyethylene Resin

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## 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.

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## Processing Statement

Film (1 mil / 25.4 micron) made from Exceed 1518KC on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 399°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

<sup>1</sup> 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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For additional technical, sales and order assistance:

### Worldwide and the Americas

ExxonMobil Chemical Company  
13501 Katy Freeway  
Houston, TX 77079-1398  
USA  
1-281-870-6050

### Asia Pacific

ExxonMobil Chemical Asia Pacific  
1 HarbourFront Place  
#06-00 HarbourFront Tower One  
Singapore 098633  
+66-2-1638699

### Europe, Middle East and Africa

ExxonMobil Chemical Europe  
Hermeslaan 2  
1831 Machelen, Belgium  
420-239-016-274

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