



Product Datasheet



Exceed™ HD 6107

(Legacy name: ExxonMobil™ HDPE HD 7165L) High Density Polyethylene

Product Description

Exceed™ HD 6107 is a high density polyethylene resin that can be processed on traditional blown film or cast film lines as well as for making oriented films such as machine direction oriented polyethylene (MDO-PE). Films made from HD 6107 provide excellent stiffness, thermal stability and processability for both oriented and non-oriented film applications.

General						
Availability ¹	Africa & Middle EastAsia Pacific		Europe • North America		rica	
Additive	Antiblock: NoSlip: No		Processing Aid: NoThermal Stabilizer: Yes			
Applications	 Agricultural Film Blown Film Cast Film Cast Stretch Film Food Packaging 	HeaLamMult	 Form Fill And Seal Packaging Heavy Duty Bags Lamination Film Multilayer Packaging Film Oriented Films Shrink Film Stand Up Pouches Stretch Film 			
Form(s)	 Pellets 					
Revision Date	• 07/18/2022					
Resin Properties Density / Specific Gravity Melt Index (190°C/2.16 kg) Peak Melting Temperature	Typical Value 0.961 0.65 274	g/cm³ g/10 min		g/cm³ g/10 min	Test Based On ASTM D792 ASTM D1238 ExxonMobil Method	
Film Properties Tensile Strength at Yield MD	Typical Value 5000	psi		MPa	Test Based On ASTM D882	
Tensile Strength at Yield TD	3100	_		MPa	ASTM D882	
Tensile Strength at Break MD	11000	1		MPa	ASTM D882	
Tensile Strength at Break TD		psi	460	MPa	ASTM D882	
Elongation at Break MD	460			%	ASTM D882 ASTM D882	
Elongation at Break TD Secant Modulus MD - 1% Secant		psi	1200		ASTM D882	
Secant Modulus TD - 1% Secant	240000	<u> </u>	1700		ASTM D882	
Dart Drop Impact	<70	<u> </u>	< 70		ASTM D1709A	
Elmendorf Tear Strength MD	8			g	ASTM D1922	
Elmendorf Tear Strength TD	840		840		ASTM D1922	
Puncture Force		lbf	31	_	ExxonMobil Method	
Puncture Energy	3.1	in·lb	0.35	J	ExxonMobil Method	
Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Gloss (45°)	9		9		ASTM D2457	
Haze	> 30	%	> 30	%	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.

Tris(nonylphenol)phosphite (TNPP) CAS# 26523-78-4 is not intentionally used by ExxonMobil in this product. Although this product is not routinely tested for its presence, based on product composition knowledge this substance is not expected to be present. However, the fact that this substance is not intentionally used by ExxonMobil in this product does not exclude that trace levels of this substance may be present as a result of the specific characteristics of the raw materials and/or of the manufacturing process.

 Effective Date: 07/18/2022
 ExxonMobil
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Product Datasheet

E‰onMobil

Exceed™ HD 6107 High Density Polyethylene

Processing Statement

Film (1.0mil/25.4 micron) made on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 410-430°F (210-221°C), a 60 mil (1.5 mm) die gap at a rate of 15lbs/hr/in die circumference (2.68 kg/hr/cm).

Notos

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.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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