Exceed™ XP 8784 Series

Performance Polymer

Product Description

Exceed™ XP 8784 is an eXtreme Performance ethylene 1-hexene copolymer that offers step-out toughness and easy processing for a range of blown film applications. The combination of high toughness, easy processing and excellent sealing performance make this a very versatile packaging film resin. TnPP is not intentionally added to Exceed™ XP 8784. Exceed™ XP 8784 - when eXtreme Performance matters.

General

Availability [1]	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Exceed™ XP 8784ML: Antiblock: No; Slip: No; Processing Aid: Yes; Thermal Stabilizer: Yes • Exceed™ XP 8784MK: Antiblock: 5000 ppm; Slip: 1000 ppm; Processing Aid: Yes; Thermal Stabilizer: Yes		
Applications	• Barrier Film • Freezer Film	• Laminated Sacks • Liquid Packaging	• Sachet
Revision Date	• 05/22/2018		

Resin Properties	Typical Value	Unit	Test Based On
Density / Specific Gravity	**0.914**	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	**0.80**	g/10 min	ASTM D1238
Peak Melting Temperature	**121**	°C	ExxonMobil Method

Film Properties	Typical Value	Unit	Test Based On
Tensile Strength at Yield MD	**8.6**	MPa	ASTM D882
Tensile Strength at Yield TD	**9.4**	MPa	ASTM D882
Tensile Strength at Break MD	**60**	MPa	ASTM D882
Tensile Strength at Break TD	**50**	MPa	ASTM D882
Elongation at Break MD	**330**	%	ASTM D882
Elongation at Break TD	**620**	%	ASTM D882
Secant Modulus MD - 1% Secant	**170**	MPa	ASTM D882
Secant Modulus TD - 1% Secant	**210**	MPa	ASTM D882
Dart Drop Impact	**910**	g	ASTM D1709A
Elmendorf Tear Strength MD	**310**	g	ASTM D1922
Elmendorf Tear Strength TD	**460**	g	ASTM D1922
Puncture Force	**55**	N	ExxonMobil Method
Puncture Energy	**4.2**	J	ExxonMobil Method

Optical Properties	Typical Value	Unit	Test Based On
Gloss (45°)	**34**		ASTM D2457
Haze	**20**	%	ASTM D1003

Legal Statement

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.

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Exceed™ XP 8784 can - in principle- be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Processing Statement

Film (1 mil/25.4 micron) made from Exceed™ XP 8784ML on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 390-410°F (199-210°C), a 90 mil (2.29 mm) die gap at a rate of 15 lbs/hr/in die circumference (2.68 kg/hr/cm).

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.

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

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

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