Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ HD 6207FL

High Density Polyethylene

Product Description

ExxonMobil™ HD 6207FL is a homopolymer HDPE film grade designed to improve stiffness and barrier in coextrusion or in PE blends. When blended with LLDPE or metallocene LLDPE, ExxonMobil™ HD 6207FL improves their processability.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Blown Film ▪ Bread Bags ▪ Collation Shrink ▪ Food Packaging ▪ Form Fill And Seal Packaging ▪ Freezer Film	▪ General Packaging ▪ Industrial Packaging ▪ Label Film ▪ Lamination Film ▪ Multilayer Packaging Film ▪ Overwrap Film	▪ Packaging Films ▪ Shoppers ▪ Shrink Film ▪ Stand Up Pouches
Revision Date	▪ 03/01/2014		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.961	g/cm³	0.961	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.70	g/10 min	0.70	g/10 min	ASTM D1238
High Load Melt Index (190°C/21.6 kg)	46	g/10 min	46	g/10 min	ASTM D1238

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	261	°F	127	°C	ASTM D1525

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	8700	psi	60	MPa	ASTM D882
Tensile Strength at Break TD 20 in/min (500 mm/min)	4500	psi	31	MPa	ASTM D882
Elongation at Break MD 20 in/min (500 mm/min)	510	%	510	%	ASTM D882
Elongation at Break TD 20 in/min (500 mm/min)	2	%	2	%	ASTM D882
Secant Modulus MD - 1% Secant	170000	psi	1200	MPa	ASTM D882
Secant Modulus TD - 1% Secant	250000	psi	1700	MPa	ASTM D882
Dart Drop Impact	< 30	g	< 30	g	ASTM D1709A
Elmendorf Tear Strength MD	10	g	10	g	ASTM D1922
Elmendorf Tear Strength TD	200	g	200	g	ASTM D1922

Additional Information

Monolayer Film:

ExxonMobil™ HD 6207FL can be added to LDPE, LLDPE or mLLDPE films to increase stiffness when high transparency is not mandatory.

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

The test specimens for Vicat Softening Point were prepared using ASTM D 4703. All film properties have been measured on 25 µm (0.98 mil) thick films (BUR of 2.5 : 1, pocket extrusion at 200°C / 392°F). Properties of coextruded films and blends can be found in the HTA108 Fact Sheet.

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene