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ExxonMobil™ HDPE HTA 108

High Density Polyethylene Resin

ExxonMobil Chemical

Product Description

HTA 108 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, HTA 108 improves their processability.

General

Availability	• 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	• March 2010		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.961	g/cm³	0.961	g/cm³	ExxonMobil Method
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	264	°F	129	°C	ASTM D1525

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	9700	psi	70	MPa	ASTM D882
Tensile Strength at Break TD	5400	psi	37	MPa	ASTM D882
Elongation at Break MD	490	%	490	%	ASTM D882
Elongation at Break TD	3	%	3	%	ASTM D882
Secant Modulus MD - 1% Secant	180000	psi	1300	MPa	ASTM D882
Secant Modulus TD - 1% Secant	250000	psi	1700	MPa	ASTM D882
Dart Drop Impact	< 20	g	< 20	g	ASTM D1709A
Elmendorf Tear Strength MD	10	g	10	g	ASTM D1922
Elmendorf Tear Strength TD	800	g	800	g	ASTM D1922

Additional Information

Monolayer Film:
HTA108 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.

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

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

[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:

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