

# ExxonMobil™ HDPE HTA 108

## High Density Polyethylene Resin



### 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 <sup>1</sup>	• 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/cm <sup>3</sup>	0.961 g/cm <sup>3</sup>	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.

© 2011 ExxonMobil. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. You may not copy this document to a Web site. ExxonMobil does not guarantee the typical (or other) values. Analysis may be performed on representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication. The terms, "we", "our", "ExxonMobil Chemical", or "ExxonMobil" are used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates they directly or indirectly steward. ExxonMobil, the ExxonMobil Logo, the Interlocking "X" Device, and all other product names used herein are trademarks of ExxonMobil unless indicated otherwise.

# ExxonMobil Chemical ExxonMobil™ HDPE HTA 108 High Density Polyethylene Resin

---

## 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

<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.

---

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 Singapore Pte. Ltd.  
1 HarbourFront Place  
#06-00 HarbourFront Tower One  
Singapore 098633  
86 21 240-75380

Europe, Middle East and Africa  
ExxonMobil Chemical Europe  
Hermeslaan 2  
1831 Machelen, Belgium  
420-239-016-274

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

© 2011 ExxonMobil. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. You may not copy this document to a Web site. ExxonMobil does not guarantee the typical (or other) values. Analysis may be performed on representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials, or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no endorsement of any product or process, and we expressly disclaim any contrary implication. The terms, "we", "our", "ExxonMobil Chemical", or "ExxonMobil" are used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates they directly or indirectly steward. ExxonMobil, the ExxonMobil Logo, the Interlocking "X" Device, and all other product names used herein are trademarks of ExxonMobil unless indicated otherwise.