

Enable™ 20-05HH

Metalocene Polyethylene Resin

Product Description

Enable 20-05HH resin is a metallocene ethylene-hexene copolymers. Enable mPE resins offer an outstanding balance between processing and film properties, including tensile, impact and puncture. Easier processing and excellent properties lead to significant high pressure LDPE replacement in many applications, yet with superior drawdown and enhanced toughness.

General

Availability ¹	<ul style="list-style-type: none"> Africa & Middle East Europe
Additive	<ul style="list-style-type: none"> Antiblock: No Slip: No Processing Aid: Yes Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> Agricultural Film Blown Film Cast Film Cast Stretch Film Collation Shrink Food packaging Form Fill And Seal Packaging Heavy Duty Bags Lamination Film Multilayer Packaging Film Shrink Film Stand Up Pouches Stretch Film
Revision Date	<ul style="list-style-type: none"> 04/01/2013

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.920 g/cm ³	0.920 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Peak Melting Temperature	237 °F	114 °C	ExxonMobil Method

Film Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	1500 psi	10 MPa	ASTM D882
Tensile Strength at Yield TD	1600 psi	11 MPa	ASTM D882
Tensile Strength at Break MD	8700 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	8100 psi	60 MPa	ASTM D882
Elongation at Break MD	480 %	480 %	ASTM D882
Elongation at Break TD	710 %	710 %	ASTM D882
Secant Modulus MD - 1% Secant	31000 psi	210 MPa	ASTM D882
Secant Modulus TD - 1% Secant	35000 psi	240 MPa	ASTM D882
Dart Drop Impact	330 g	330 g	ASTM D1709A
Elmendorf Tear Strength MD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength TD	580 g	580 g	ASTM D1922

Optical Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	56	56	ASTM D2457
Haze	8.0 %	8.0 %	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.

Processing Statement

Film (1 mil / 25.4 micron) made from Enable 20-05HH on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 403 °F (206 °C), a 30 mil (0.76 mm) die gap at a rate of 10 lbs/hr/ in die circumference (1.79 kg/hr/cm).

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.

Enable™ 20-05HH
Metallocene Polyethylene Resin

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

©2016 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of 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, freedom from patent infringement, 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. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com