

Enable™ 35-05HH

Metallocene Polyethylene Resin

Product Description

Enable 35-05HH is a medium density metallocene ethylene-hexene copolymer. 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	• Africa & Middle East	• Asia Pacific	• Europe
Additive	• Antiblock: No • Slip: No	• Processing Aid: Yes • Thermal Stabilizer: Yes	
Applications	• Food packaging • Form Fill And Seal Packaging • Heavy Duty Bags	• Lamination Film • Multilayer Packaging Film • Shrink Film	• Stand Up Pouches
Form(s)	• Pellets		
Revision Date	• August 2012		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.935 g/cm ³	0.935 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	254 °F	123 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	2500 psi	17 MPa	ASTM D882
Tensile Strength at Yield TD	2800 psi	19 MPa	ASTM D882
Tensile Strength at Break MD	8400 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	6900 psi	48 MPa	ASTM D882
Elongation at Break MD	550 %	550 %	ASTM D882
Elongation at Break TD	810 %	810 %	ASTM D882
Secant Modulus MD - 1% Secant	62000 psi	430 MPa	ASTM D882
Secant Modulus TD - 1% Secant	75000 psi	520 MPa	ASTM D882
Dart Drop Impact	< 80 g	< 80 g	ASTM D1709A
Elmendorf Tear Strength MD	20 g	20 g	ASTM D1922
Elmendorf Tear Strength TD	610 g	610 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	40	40	ASTM D2457
Haze	14 %	14 %	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.

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

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ExxonMobil Chemical Enable™ 35-05HH Metallocene Polyethylene Resin

Processing Statement

Film (1 mil / 25.4 micron) made from Enable 35-05HH 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

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.

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