

Enable™ 35-05HH

Metalocene Polyethylene Resin

Product Description

Enable 35-05HH is a 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	• Latin America	• North America	• South America
Additive	• Antiblock: No • Processing Aid: Yes	• Slip: No • 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	• June 2011		

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	124 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	2300 psi	16 MPa	ASTM D882
Tensile Strength at Yield TD	2600 psi	18 MPa	ASTM D882
Tensile Strength at Break MD	8700 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	6800 psi	47 MPa	ASTM D882
Elongation at Break MD	590 %	590 %	ASTM D882
Elongation at Break TD	770 %	770 %	ASTM D882
Secant Modulus MD - 1% Secant	57000 psi	400 MPa	ASTM D882
Secant Modulus TD	66000 psi	450 MPa	ASTM D882
Dart Drop Impact	80 g	80 g	ASTM D1709A
Elmendorf Tear Strength MD	30 g	30 g	ASTM D1922
Elmendorf Tear Strength TD	520 g	520 g	ASTM D1922
Puncture Force	11 lbf	49 N	ExxonMobil Method
Puncture Energy	21 in-lb	2.4 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	34	34	ASTM D2457
Haze	17 %	17 %	ASTM D1003

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

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ExxonMobil Chemical Enable™ 35-05HH Metallocene Polyethylene Resin

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 35-05CH on a 2.5 inch blown film line equipped with 2.5: 1 blow-up ratio, 30 mil die gap, 20 in frostline and 10 lbs/die in/hr.

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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