

# Enable™ 40-02HH

## Metallocene Polyethylene Resin

### Product Description

Enable 40-02HH is a medium density metallocene ethylene-hexene copolymer. Enable 40-02HH mPE provides blown film with high stiffness and shrink along with good optical properties. Excellent bubble stability leads to high output capability in monolayer and coextruded films.

### General

Availability <sup>1</sup>	<ul style="list-style-type: none"> <li>▪ Africa &amp; Middle East</li> <li>▪ Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>▪ Europe</li> <li>▪ Latin America</li> </ul>	<ul style="list-style-type: none"> <li>▪ North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>▪ Enable 40-02HH: Antiblock: No; Slip: No; Processing Aid: Yes; Thermal Stabilizer: Yes</li> </ul>		
Applications	<ul style="list-style-type: none"> <li>▪ Collation Shrink</li> <li>▪ Compression Packaging</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lamination Film</li> <li>▪ Multilayer Packaging Film</li> </ul>	
Revision Date	<ul style="list-style-type: none"> <li>▪ 04/18/2016</li> </ul>		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.940 g/cm <sup>3</sup>	0.940 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
Peak Melting Temperature	262 °F	128 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	2800 psi	19 MPa	ASTM D882
Tensile Strength at Yield TD	3500 psi	24 MPa	ASTM D882
Tensile Strength at Break MD	9700 psi	70 MPa	ASTM D882
Tensile Strength at Break TD	7000 psi	49 MPa	ASTM D882
Elongation at Break MD	490 %	490 %	ASTM D882
Elongation at Break TD	810 %	810 %	ASTM D882
Secant Modulus MD - 1% Secant	78000 psi	540 MPa	ASTM D882
Secant Modulus TD - 1% Secant	110000 psi	730 MPa	ASTM D882
Dart Drop Impact	60 g	60 g	ASTM D1709
Elmendorf Tear Strength MD	10 g	10 g	ASTM D1922
Elmendorf Tear Strength TD	600 g	600 g	ASTM D1922
Puncture Force	11 lbf	50 N	ExxonMobil Method
Puncture Energy	19 in-lb	2.2 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	26	26	ASTM D2457
Haze	21 %	21 %	ASTM D1003

### Processing Statement

Film made from Enable 40-02HH on a 2.5 inch blown film line equipped with 2.5:1 blow-up ratio, 30 mil die gap, 16 in frostline, 425°F melt temperature and 10 lbs/die in/hr.

Enable 40-02HH can - in principle - be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

### Notes

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

<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.

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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