

ExxonMobil Enable™ 35-05CH Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Enable 35-05CH 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. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: NoProcessing Aid: Yes **Thermal Stabilizer:** Yes **Applications:** Food packagingForm Fill and Seal PackagingHeavy Duty BagsLamination FilmMultilayer Packaging FilmShrink FilmStand Up Pouches Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Enable-35-05CH-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ExxonMobil method
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.9 MPa	2300 psi	ASTM D882
Film Tensile Strength at Yield, TD	17.9 MPa	2600 psi	ASTM D882
Film Elongation at Break, MD	590 %	590 %	ASTM D882
Film Elongation at Break, TD	770 %	770 %	ASTM D882
Puncture Energy	2.37 J	1.75 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	30 g	30 g	ASTM D1922
Elmendorf Tear Strength TD	540 g	540 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709
Film Tensile Strength at Break, MD	60.0 MPa	8700 psi	ASTM D882
Film Tensile Strength at Break, TD	46.9 MPa	6800 psi	ASTM D882
1% Secant Modulus, MD	393 MPa	57000 psi	ASTM D882
1% Secant Modulus, TD	455 MPa	66000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 254 °C	<= 489 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	17 %	17 %	ASTM D1003
Gloss	34 %	34 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

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