

## ExxonMobil Enable™ 20-10HE Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

**Product Description:** Enable 20-10 resins are metallocene ethylene-hexane copolymers. Enable mPE resins offer an outstanding balance between processing and film properties, including tensile, impact and puncture. Enable 20-10 resins are available for blown film, both formulated and non-formulated. A heavily stabilized formulation for cast film processing is also available. Availability: Latin America, North America and South America Additive: Antiblock: 2000 ppm Slip: 500 ppm Processing Aid: Yes Thermal Stabilizer: Yes Applications: Agricultural Film Blown Film Cast Film Cast Stretch Film Food packaging Form Fill and Seal Packaging Heavy Duty Bags Lamination Film Multilayer Packaging Film Shrink Film Stand Up Pouches Stretch Film Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Enable-20-10HE-Metallocene-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Enable-20-10HE-Metallocene-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	2000 ppm	2000 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1500 psi	ASTM D882
Film Elongation at Break, MD	520 %	520 %	ASTM D882
Film Elongation at Break, TD	730 %	730 %	ASTM D882
Puncture Energy	3.05 J	2.25 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	560 g	560 g	ASTM D1922
Dart Drop Test	190 g	0.419 lb	ASTM D1709A
Film Tensile Strength at Break, MD	57.2 MPa	8300 psi	ASTM D882
Film Tensile Strength at Break, TD	53.1 MPa	7700 psi	ASTM D882
1% Secant Modulus, MD	207 MPa	30000 psi	ASTM D882
1% Secant Modulus, TD			ASTM D882

Mechanical Properties	228 MPa Metric	33000 psi English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	<= 237 °C	<= 459 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	7.1 %	7.1 %	ASTM D1003
Gloss	61 %	61 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	10 lbf	ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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