

ExxonMobil Enable™ 20-10CB Metallocene Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Enable 20-10 resins are metallocene ethylene-hexene copolymers. Enable mPE resins offer an outstanding balance between processing and film properties, including tensile, impact and puncture. Enable 20-10 resins are available with blown film formulations, with or without antiblock. A heavily stabilized formulation for cast film processing is also available. Availability: Africa & Middle East, Asia and Europe
Additive:Antiblock: NoSlip: NoProcessing Aid: NoThermal Stabilizer: Yes
Applications: Agricultural FilmBlown FilmCast FilmCast Stretch FilmCollation ShrinkFood packagingForm Fill and Seal PackagingHeavy Duty BagsLamination FilmMultilayer Packaging FilmShrink FilmStand Up PouchesStretch Film
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Enable-20-10CB-Metallocene-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	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

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	540 %	540 %	ASTM D882
Film Elongation at Break, TD	740 %	740 %	ASTM D882
Puncture Energy	3.39 J	2.50 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	110 g	110 g	ASTM D1922
Elmendorf Tear Strength TD	570 g	570 g	ASTM D1922
Dart Drop Test	200 g	0.441 lb	ASTM D1709
Film Tensile Strength at Break, MD	60.7 MPa	8800 psi	ASTM D882
Film Tensile Strength at Break, TD	51.0 MPa	7400 psi	ASTM D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	228 MPa	33000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 239 °C	<= 462 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	7.6 %	7.6 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

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