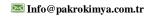


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Metallocene Polyethylene Resin



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 for blown film, both formulated and non-formulated. A heavily stabilized formulation for cast film processing is also available.

General					
Availability ¹	 Africa & Middle East 		Asia Pacific	 Europe 	
Additive	Enable 20-10CB: Ant	iblock: No; S	ppm; Slip: 500 ppm; Proces Slip: No; Processing Aid: No; Slip: No; Processing Aid: Yes	Thermal Stabilizer:	Yes
Applications	Agricultural FilmBlown FilmCast FilmCast Stretch Film	:	Food packaging Form Fill And Seal Packagin Heavy Duty Bags Lamination Film	 Multilayer Packaging Film Shrink Film Stand Up Pouches Stretch Film 	
Revision Date	• 12/01/2012				
Resin Properties	Typical Value	_	Typical Value	(SI)	Test Based On
Density	0.920	g/cm³	0.920	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.0	g/10 min	1.0	g/10 min	ASTM D1238
Peak Melting Temperature	237	°F	114	°C	ExxonMobil Method
Film Properties	Typical Value	(English)	Typical Value	(CI)	Test Based On
Tensile Strength at Yield MD		psi	· · ·	MPa	ASTM D882
Tensile Strength at Yield TD	1500	·		MPa	ASTM D882
Tensile Strength at Break MD	8300	psi		MPa	ASTM D882
Tensile Strength at Break TD	7700	psi		MPa	ASTM D882
Elongation at Break MD		%	520	%	ASTM D882
Elongation at Break TD	730	%	730	%	ASTM D882
Secant Modulus MD - 1% Secant	30000	psi	200	MPa	ASTM D882
Secant Modulus TD - 1% Secant	33000	psi	230	MPa	ASTM D882
Dart Drop Impact	280	g	280	g	ASTM D1709A
Elmendorf Tear Strength MD	120	g	120	9	ASTM D1922
Elmendorf Tear Strength TD	560	g	560	g	ASTM D1922
Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss (45°)	61		61		ASTM D2457
Haze	7.1	%	7.1	%	ASTM D1003

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 20-10HA on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 398°F (203°C), a 30 mil (0.76 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm).

Notes

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

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.



Enable™ 20-10 Series Metallocene Polyethylene Resin

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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