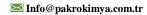
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Enable™ 27-05HH Metallocene Polyethylene Resin



Product Description

Enable 27-05HH is a metallocene ethylene-hexene copolymer. 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.

General				
Availability ¹		Africa & Middle East	Asia Pacific	• Europe
Additive		Antiblock: NoSlip: No	Processing Aid: YesThermal Stabilizer: Yes	
Applications		Blown FilmCollation ShrinkFood packaging	Form Fill And Seal PackagingHeavy Duty BagsLamination Film	 Multilayer Packaging Film Shrink Film Stand Up Pouches
Revision Date	L	• April 2012		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.927	g/cm³	0.927	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.50	g/10 min	0.50	g/10 min	ASTM D1238
Peak Melting Temperature	246	°F	119	°C	ExxonMobil Method

	Typical Value	(English)	Typical Value	(SI)	Test Based On
	2000	psi	14	MPa	ASTM D882
	2200	psi	15	MPa	ASTM D882
	8500	psi	60	MPa	ASTM D882
	7300	psi	50	MPa	ASTM D882
	510	%	510	%	ASTM D882
	770	%	770	%	ASTM D882
nt	44000	psi	300	MPa 🦼	ASTM D882
t	52000	psi	360	MPa	ASTM D882
	120	9	120	g	ASTM D1709A
	50	g	50	g	ASTM D1922
	710	g	710	g	ASTM D1922
		2000 2200 8500 7300 510 770 44000 52000 120 50		2000 psi 14 2200 psi 15 8500 psi 60 7300 psi 50 510 % 510 770 % 770 4t 44000 psi 300 4 52000 psi 360 120 g 120 50 g 50	2000 psi 14 MPa 2200 psi 15 MPa 8500 psi 60 MPa 7300 psi 50 MPa 510 % 510 % 770 % 770 % 44000 psi 300 MPa 120 g 120 g 50 g 50 g

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	48	48	ASTM D2457
Haze	11 %	11 %	ASTM D1003

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.

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

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Legal Statement

ExxonMobil Chemical Enable™ 27-05HH Metallocene Polyethylene Resin

Processing Statement

Film (1 mil / 25.4 micron) made from Enable 27-05HH on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temparature of 402 °F (206 °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

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.

For additional technical, sales and order assistance:

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