ExxonMobil Chemical

PRELIMINARY DATA SHEET

ENABLE™ 35-05

Metallocene Polyethylene Resin

Description

Enable 35-05 is a hexene copolymer produced using ExxonMobil Chemical's next generation metallocene technology. The relatively high melt strength is suited for molding and sheet applications.

Applications

- Geomembrane
- Thermoforming

Additive Package	PPA	Thermal Stabilizer
ENABLE™ 35-05	Yes	Yes

Resin Properties	Typical Value / Units		Test Based On
Density	0.935 g/cm^3		ExxonMobil Method
Melt Index (190°C/2.16kg)	0.5 g/10 min		ASTM D1238
Peak Melting Temperature	123 °C	254 °F	ExxonMobil Method
Tensile Strength at Yield (2.0 in/min, Type IV bar)	17 MPa	2,500 PSI	ASTM D638
Elongation at Break (2.0 in/min, Type IV bar)	840 %		ASTM D638
Flexural Modulus (tangent, 0.05 in/min)	661 MPa	95,900 PSI	ASTM D790, Proc A
ESCR (100% Igepal, condition B)	> 2,900 hr		ASTM D1693
NCTL-SP	>1,900 hr		D5397
Durometer Hardness (Shore D)	61		ASTM 2240
Vicat Softening Point (1000g, 50°C/hr)	119 °C	246 °F	ASTM D1525
Heat Deflection Temperature (66 psi, edgewise)	53 °C	127 °F	ASTM D648

ENABLE™ 35-05 can - in principle - be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

NOTICE: All molded properties were measured on compression molded plaques for molding and sheet applications. Product targets and corresponding typical molded properties may not be fully determined, and there is greater potential for ExxonMobil to change targets or discontinue production. DATA MAY BE BASED ON A SINGLE SAMPLE.
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