

Westlake Epolene® C-13 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Epolene C-13 is a branched low density polyethylene homopolymer with low color and medium molecular weight. It is useful as a base polymer for adhesives and coatings, color concentrate dispersions, and to provide lubricity in rubber compounding.

Coatings produced with Epolene C-13 exhibit high gloss, low moisture vapor transmission rates, grease resistance, and good heat seal ability. **Key Attributes:** Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR Excellent thermal stability Low color Medium molecular weight Useful in color concentrates

Application/Uses: Automotive refinish Building and Construction Hot Melt

Adhesives Inks Packaging Solvent borne Adhesives Wax Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-C-13-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 - 0.920 g/cc	0.900 - 0.920 g/cc	
Brookfield Viscosity	190 cP @Load 0.00000220 kg, Temperature 190 °C	190 cP @Load 0.00000475 lb, Temperature 374 °F	
Molecular Weight	76000 g/mol	76000 g/mol	M _w
Melt Flow	160 - 240 g/10 min	160 - 240 g/10 min	PTM-008

Thermal Properties	Metric	English	Comments
Flash Point	>= 343 °C	>= 649 °F	ASTM E136
Ring & Ball Softening Point	110 °C	230 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 1.0	<= 1.0	VCC-099

Descriptive Properties	Value	Comments
Penetration Hardness	3 dmm	ASTM D5, Needle under 100-g for 5s @ 25°C, tenths of mm

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