

Westlake Epolene® C-10 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Epolene C-10 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-10 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 Automotive Building and Construction Hot Melt Adhesives Packaging Solvent borne Adhesives Wax Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-C-10-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	
Viscosity	6000 - 9000 cP @Temperature 150 °C	6000 - 9000 cP @Temperature 302 °F	542-111
Brookfield Viscosity	3550 cP @Temperature 190 °C	3550 cP @Temperature 374 °F	ASTM D3226
	18600 cP @Temperature 125 °C	18600 cP @Temperature 257 °F	ASTM D3226
Molecular Weight	35000 g/mol	35000 g/mol	M_w

Thermal Properties	Metric	English	Comments
Flash Point	>= 343 °C	>= 649 °F	ASTM E136
Ring & Ball Softening Point	102 °C	216 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 1.0	<= 1.0	542-130

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

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