

Westlake Epolene® C-26 Coating Grade - Highly Branched Medium Molecular Weight Polyethylene Polymer, Maleation Processed

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Epolene C-26 is a maleic anhydride grafted polyethylene coupling agent for polyethylene (PE) composites. The polar functionality and molecular weight are optimized to provide balanced attraction between PE and reinforcements / fillers like glass, wood, minerals, and metals. Epolene C-26 Polymers are products of Westlake Chemical Corporation and are protected under one or more of the following U.S. patents: 5,955,547 and 6,046,279; and their foreign equivalents. **Key Attributes:** Balances attraction between polar fillers/reinforcements and non polar polymers **Coupling agent for PE composites** **Maleic anhydride grafted polyethylene(PE)** **Application/Uses:** Automotive OEM Building and Construction Rubber and Plastic Modification

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-C-26-Coating-Grade-Highly-Branched-Medium-Molecular-Weight-Polyethylene-Polymer-Maleation-Processed.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 - 0.920 g/cc	0.910 - 0.920 g/cc	
Brookfield Viscosity	8.0 cP @Load 0.00000220 kg, Temperature 190 °C	8.0 cP @Load 0.00000475 lb, Temperature 374 °F	
Molecular Weight	65000 g/mol	65000 g/mol	M _w
Melt Flow	2.0 - 10 g/10 min	2.0 - 10 g/10 min	PTM-008

Thermal Properties	Metric	English	Comments
Ring & Ball Softening Point	122 °C	252 °F	DSC Tm; ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 11	<= 11	VCC-099

Chemical Properties	Metric	English	Comments
Total Acid Number	8.0	8.0	ASTM D1386

Descriptive Properties	Value	Comments
Penetration Hardness	<1 dmm	ASTM D5, Needle under 100-g load for 5s @ 25 deg C, tenths of mm

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