

Westlake Epolene® E-10 Emulsifiable - Oxidized Low Molecular Weight Polyethylene Polymer

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Epolene® E-Type Polymers are easily emulsifiable, available in PE and PP based materials, and approved by the FDA for food contact. They have a wide ring & ball softening point range, oil and water resistance, low color, and consistent quality through SPC methods. Their applications include: PVC lubricants, textile softener/lubricant, floor polish, plastic additive applications, paper coating lubricant, fruit coating, agricultural sprays, car polish, and fiberglass sizing. Products are supplied as free flowing pellets; although some products may be available in powder form. Products made with these polymers will have attributes that deliver: abrasion resistance, moisture and grease resistance, surface slip and release properties, and compatibility with other polymers, pigments, and fillers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Epolene-E-10-Emulsifiable-Oxidized-Low-Molecular-Weight-Polyethylene-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 - 0.960 g/cc	0.930 - 0.960 g/cc	
Viscosity	650 - 1200 cP @Temperature 125 °C	650 - 1200 cP @Temperature 257 °F	542-111
Brookfield Viscosity	800 cP @Temperature 125 °C	800 cP @Temperature 257 °F	
Molecular Weight	6100 g/mol	6100 g/mol	

Thermal Properties	Metric	English	Comments
Flash Point	>= 204 °C	>= 399 °F	
Ring & Ball Softening Point	106 °C	223 °F	ASTM E28

Optical Properties	Metric	English	Comments
Gardner Color Number	<= 2.0	<= 2.0	542-130

Chemical Properties	Metric	English	Comments
Total Acid Number	17	17	

Descriptive Properties	Value	Comments
Penetration Hardness	2 dmm	ASTM D5, Needle under 100-g load for 5s @ 25 deg C, tenths of mm

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