



Application/Uses

- Automotive refinish
- Automotive
- Building and Construction
- Hot Melt Adhesives
- Packaging
- Solvent borne Adhesives
- Wax Modification

Attributes

- Enhances paraffin wax coating properties like gloss, grease resistance, and MVTR
- Excellent thermal stability
- Low color
- Medium molecular weight
- Useful in color concentrates

Product Description

EPOLENE[®] C-17 polymer is a branched low density polyethylene with a relatively high melt point and viscosity compared to other EPOLENE C-type Polymers. It is useful to modify paraffin wax to improve the blend viscosity, grease resistance, blocking temperature, scuff resistance, and gloss. EPOLENE C-17 polymer commonly replaces granular LLDPE as the base polymer in color concentrates because it's easier to process and has higher output rates. EPOLENE C-17 polymer has good high temperature stability, low color, low temperature flexibility, and excellent compatibility with various hydrocarbon tackifying resins.

Typical Physical Properties

Property ^a	Test ^b Method	Typical Value, Units ^c
Mettler Drop Point	D6090	> 130°C
Melt Index (Condition E, 190°C / 2.16kg)	D-1238	16 – 24 g/10 min
Whiteness Index	D-313	≥ 45

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

COMMENTS

Properties reported here are indicative values only. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

Packaging

EPOLENE C-17 polymer is supplied as free-flowing pellets, packaged in multiwall paper bags with a polyethylene coated inner liner [22.67 kg (50 lb) net weight]. Many EPOLENE polymers are also shipped in a variety of bulk containers. EPOLENE C-17 polymer is also available in powder form as EPOLENE C-17P polymer.

Storage

The useful life of this product can be affected by storage and handling conditions. Product should be stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination. First in first out (FIFO) inventory management is recommended.

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