



Application/Uses

- Automotive
- Bookbinding
- Building and Construction
- Caulks and Sealants
- Hot Melt Adhesives
- Laminating
- Solventborne Adhesives
- Waterborne Adhesives

Attributes

- Coupling agent and compatibilizer for PP composites and alloys
- Excellent pigment dispersion aid
- Provides slip resistance in floor polish
- Useful in adhesive blends
- Maleic anhydride grafted polypropylene (PP)

Product Description

EPOLENE[®] E-43P polymer is a chemically modified polypropylene polymer used as a coupling agent for polypropylene composites and for providing slip resistance in floor finish emulsions. Because of the polarity and anhydride functionality, EPOLENE E-43P polymer is useful for laminating, as a compatibilizer for PP blends with nylon or EVOH, and for enhancing the strength of composites that utilize reinforcements / fillers such as glass, talc, calcium carbonate, and metals.

Typical Physical Properties

<u>Property^a</u>	<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Acid Number	D-1386	40-55 mg-KOH/g
Penetration Hardness	D-5	<1 dmm
Mettler Softening Point, °C	D-6090	153-162 °C
Brookfield Viscosity @ 190 °C	D-4287	150-700 cP
Yellowness Index	D-313	≤ 70.0
Median Particle Size	Westlake	215 microns

^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 based limited testing. 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 E-43P polymer is supplied as free-flowing powder, 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 E-43P polymer is also available in pellet form as EPOLENE E-43 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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