



## 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<sup>®</sup> E-43 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-43 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<sup>a</sup></u>	<u>Test<sup>b</sup> Method</u>	<u>Typical Value, Units<sup>c</sup></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

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

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> 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-43 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]. The bags are palletized and stretch wrapped to prevent contamination during storage and shipment. Many EPOLENE polymers are also shipped in a variety of bulk containers. EPOLENE E-43 polymer is also available in powder form as EPOLENE E-43P 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.

*Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*

**WESTLAKE CHEMICAL CORPORATION**  
2801 Post Oak Blvd Suite 600 Houston, Texas  
Customer Service: 1-800-545-9577