

Technical Data Sheet

Applications

- Compounding
- Emulsions
- Hot melt adhesives

Attributes

- Powdered Product Form
- Coupling agent and compatibilizer for PP composites
- Excellent pigment dispersion aid
- Provides slip resistance in floor polish
- Maleic anhydride grafted polypropylene (PP)
- High level of functionality

Product Description

EPOLENE® E-43P is a chemically modified polypropylene 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

Property ^a	Test Method ^b	Typical Value, Units ^c
Density, g/cm ³	D-1505	0.934
Acid Number, mg-KOH/g	D-1386	45
Penetration Hardness, dmm	D-5	< 1
Mettler Drop Point, °C	D-6090	160
Brookfield Viscosity @ 190 °C, cP	D-4287	300
Yellowness Index	E-313	71
Median Particle Size, microns	Westlake	215

^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.

Packaging

EPOLENE® E-43P is offered in multiple package types. Contact your Westlake sales or technical representative for offerings and availability.

Storage

The useful life of this product can be affected by storage and handling conditions. This 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.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. 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.

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