

Technical Data Sheet

Eastoflex™ E1175 Amorphous Polyolefin

Applications

- Adhesives/sealants-b&c
- Automotive
- General assembly hotmelts
- Labels non food contact
- Packaging tape
- Tape non food contact
- Wax ingredients

Key Attributes

- Broad compatibility with numerous elastomers, polymers, and other tackifying resins
- Broad temperature service range
- Convenient product form
- Excellent thermal and UV stability
- Excellent water and moisture resistance
- Low color
- Low odor

Product Description

Eastoflex™ Amorphous Polyolefins (APOs) are characteristically saturated, low molecular weight, propylene-based olefin polymers. These products are inherently soft, tacky, and flexible, having a broad compatibility with numerous elastomers, polymers, and tackifying resins. Eastoflex™ APOs are characterized by consistent quality, low odor, good heat stability, and low color. Eastoflex™ E1175 is a copolymer of propylene and ethylene, having a melt viscosity of 17,500 mPa·s at 190°C.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
General		
Viscosity, Brookfield ^d	ASTM D 3236	17500 cP
Ring and Ball Softening Point	ASTM E 28	125 °C (257 °F)
Glass Transition Temperature (T _g)	ASTM D 3418	-38 °C (-36 °F)
Penetration Hardness	ASTM D 5	25 dmm
Color, Gardner (Molten)		1.0
Physical Form		Molten/solid

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

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

^dViscosity, Brookfield @ 190°C

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Compatibility and Solubility

Broad compatibility with polyolefin polymers, waxes and hydrocarbon tackifying resins.

Packaging

Made to Order Package Type – solid form only

Eastoflex™ E1175 Amorphous Polyolefin can be packaged in drums. These are 22.5-inch inside diameter drums, 4 drums per pallet. Drummed material is sold by net weight per pallet, approximately 1,200 lbs per pallet.

Please be aware that there may be additional costs and lead times associated with this package type.

Storage

Molten material should be handled entirely in closed systems blanketed with an inert gas, such as nitrogen. Molten material can be stored satisfactorily under nitrogen in a steel tank at 350°F to 390°F. Inside storage is recommended for Eastoflex™ APOs packaged in drums.

Eastman 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.

2/28/2018 11:35:39 AM

© 2019 Eastman Chemical Company or its subsidiaries. All rights reserved. As used herein, ® denotes registered trademark status in the U.S. only.