

# Eastoflex™ E1003 Amorphous Polyolefin



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™ E1003 is a copolymer of propylene and ethylene having a melt viscosity of 300 mPa·s at 190°C.

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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

Property	Typical Value	Unit	Method <sup>1</sup>
Ring and Ball Softening Point	120	°C	ASTM E 28
Gardner Color, Molten	1.0		
Glass Transition Temperature, T <sub>g</sub>	-30	°C	ASTM D 3418
Penetration Hardness	100	dmm	ASTM D 5
Melt Viscosity at 190°C	300	cP	ASTM D 3236, Brookfield
Physical Form	Molten/Solid		

<sup>1</sup> internal method based upon the specified norm

## Applications

Caulks and Sealants, Asphalt and Road Construction, Floor polish, Carpet, Additives, Correction fluids, Labels, Tapes, Other coatings, Metal coatings, Waterproofings, Speciality tapes, Other adhesives

## Compatibility and Solubility

Broad compatibility with numerous elastomers, polymers and tackifying resins. Eastoflex™ APOs have shown to be compatible with the following materials: aliphatic tackifying resins, asphalt, butyl rubber, hydrogenated tackifying resins, low density polyethylene, mineral oil, natural rubber, polybutene, polybutylene, polypropylene, polyterpene tackifying resins, and SEBS block copolymers.

## Packaging

Eastoflex™ E1003 is available in tank trucks or railcars.

Available for blending with other APOs. Blends with E1003 and others APOs can allow for a more convenient product form.

Please be aware that there are additional costs and lead times associated with the made to order package types.

## 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.

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## Comments

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