

# Eastoflex™ M1020PL

## 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™ M1020PL is a blend of propylene homopolymer and copolymers of propylene and ethylene, pelletized and coated with a polypropylene powder. The resulting blend has a melt viscosity of 2,000 mPa·s at 190°C.

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

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: [Adhesive.Technologies@Synthomer.com](mailto:Adhesive.Technologies@Synthomer.com)

Property	Typical Value	Unit	Method <sup>1</sup>
Ring and Ball Softening Point	153	°C	ASTM E 28, RBSP of pellet coating on formulas ending in "PL" is 163°C. Pellet coating typically 1.5% to 2% by weigh.
Penetration Hardness	35	dmm	ASTM D 5
Glass Transition Temperature, T <sub>g</sub>	-21	°C	ASTM D 3418
Melt Viscosity at 190°C	2000	cP	ASTM D 3236, Brookfield
Physical Form	Pellets		

<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™ M1020PL is available in bags of 50-lb net weight (22.7 kg). Pallet of bags of 2,250-lb net weight (1020.6 kg). Bags are made of polypropylene.

Pellets are coated with polypropylene to minimize blocking.

## Storage

Due to the thermoplastic behavior, pelletized material may fuse, block or lump. This can be accelerated under any of the following conditions: 1) above ambient temperature, 2) prolonged storage, 3) pressure, e.g., stacking pallets, or a combination of these conditions.

For improved handling, we therefore recommend storing the material in a temperature-controlled area, be careful with stacking material or applying pressure and preventing prolonged storage. It is recommended that control of inventory be observed at all times, taking care that

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the oldest material is used first.

It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted.

### 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.