TECHNICAL DATA SHEET

Eastoflex™ M1014 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™ M1014 is a blend of propylene homopolymer and copolymers of propylene and ethylene. The resulting blend has a melt viscosity of 1,350 mPa·s at 190°C.

- 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[1]
Ring and Ball Softening Point	155	°C	ASTM E 28
Gardner Color, Molten	1.0		
Penetration Hardness	20	dmm	ASTM D 5
Glass Transition Temperature, Tg	-13	°C	ASTM D 3418
Melt Viscosity at 190°C	1350	cP	ASTM D 3236, Brookfield
Physical Form	Molten/Solid		

[1] 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, polybutlyene, polypropylene, polyterpene tackifying resins, and SEBS block copolymers.

Packaging

Eastoflex™ M1014 is available in tank trucks or railcars.

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.

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.