

Piccotac™ 9095-E

Hydrocarbon Resin

Piccotac™ 9095-E hydrocarbon resin is a low molecular weight, slightly aromatic-modified aliphatic C5 tackifier designed for the adhesives industry. This light colored resin is compatible with styrenic block copolymers, EVA, and many polar elastomers.

It is widely used with other tackifier resins, such as rosin esters and C9 hydrocarbon tackifiers to improve performance. It is primarily used in hot melt adhesives and pressure sensitive adhesives. Piccotac™ 9095-E is stabilized by the addition of antioxidant.

- Aliphatic resin with a low level of aromatic-modification
- Excellent adhesion to styrene-isoprene-styrene (SIS) block copolymers
- Excellent balance of peel and shear
- Excellent compatibility with EVA, APO and metallocene polymers for packaging adhesives
- Excellent peel and tack properties
- Light color, low odor

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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| Property | Typical Value | Unit | Method ¹ |
|-------------------------------|---------------|-------|---|
| Ring and Ball Softening Point | 95 | °C | ASTM E 28 |
| Color, Gardner | 3 | | ASTM D 6166, 50% solids in toluene |
| MMAp cloud point | 86 | °C | from 1:2 mixture of methylcyclohexane and aniline |
| Molecular Weight, Mn | 990 | g/mol | GPC using polystyrene standards, elution with THF |
| Molecular Weight, Mw | 1900 | g/mol | |
| Molecular Weight, Mz | 3690 | g/mol | |
| Polydispersity (Mw/Mn) | 1.9 | | |

¹ internal method based upon the specified norm

Applications

Carpet, Caulks and Sealants, Labels, Other adhesives, Additives, Packaging specialities, Metal coatings, Speciality tapes, Tapes, Waterproofings

Compatibility and Solubility

Compatible at all ratios or in limited but practically useful proportions, with natural and synthetic rubbers, low-vinyl acetate EVA (ethylene-vinyl acetate) copolymers, EnBA (ethylene n-butyl acetate) copolymers, APAO (amorphous poly-alpha-olefins), SIS (styrene-isoprene-styrene) block copolymers, SIBS (styrene-isoprene/butadiene-styrene) block copolymers, SEBS (styrene-ethylene/butylene-styrene) block copolymers, SEPS (styrene-ethylene/propylene-styrene) block copolymers, polyethylene polymers, polypropylene polymers, paraffin and microcrystalline waxes, PIB (polyisobutene), OBC (olefinic block copolymers), mPE (metallocene-catalyzed polyethylene), mPP (metallocene-catalyzed polypropylene), and TPE (thermoplastic elastomers).

Soluble at all useful proportions in aliphatic, aromatic, and chlorinated hydrocarbons, esters and ethers, and t-butyl acetate. Insoluble in alcohols, glycols and water.

Packaging

Piccotac™ 9095-E hydrocarbon resin is pastillated and packed in polyethylene bags of 20 kg net, and supplied on shrink wrapped pallets of 50 bags (1000 kg) each, from Synthomer facilities in the Netherlands and from warehouses located in Europe.

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Storage

Flaked and pastillated forms of resins may fuse, block or lump under any of the following conditions: (1) in hot weather climates (2) if stored near steam pipes or other sources of heat and (3) upon prolonged storage. Storage at temperatures above 30°C should be avoided. Inside storage in a temperature-controlled area is necessary in order to prevent problems, such as lumping. Due to the nature of the product, claims regarding lumping cannot be accepted.

Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

Piccotac™ 9095-E hydrocarbon resin material will remain within product specification limits for a period of at least twelve months after shipment from Synthomer production facilities in the Netherlands, provided storage conditions outlined in this data sheet are observed. However, as we can neither anticipate the conditions under which the resin is processed nor the end use applications for which it is used, we recommend that the material be tested upon receipt.

Comments

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