EASTMAN

Technical Data Sheet

Piccotac™ 9095-E Hydrocarbon Resin

Applications

- Adhesives/sealants-b&c
- Carpet construction
- Case & carton sealing closings
- Casting wax
- Hygiene adhesives
- Labels non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Solvent borne packaging adhesives
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Wire/cable

Key Attributes

- Excellent adhesion to styrene-isoprene-styrene (SIS) block copolymers
- Excellent peel and tack properties
- Modified aliphatic low molecular weight resin

Product Description

Piccotac™ 9095-E Hydrocarbon Resin is a low molecular weight aliphatic hydrocarbon resin that has been designed for hot-melt pressure sensitive adhesive systems.

Typical Properties

Property[a]	Test Method[b]	Typical Value, Units[c]
General		
Ring and Ball Softening Point	ASTM E 28	95 °C
Color, Gardner[d]	ASTM D 6166	3
Cloud Point[f]		
MMAP		87 °C
Molecular Weight[e]		
M_n		1000
M_w		1900
M_w/M_n		1.9
M_z		3500

[a] *Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.*
[b] *Unless noted otherwise, the test method is ASTM.*
[c] *Units are in SI or US customary units.*
[d] *50% in toluene.*
[e] *Molecular weight, z-average from gel permeation chromatography, elution with THF.*
[f] *Cloud point temperature from 2:1 Vol:Vol aniline-methylcyclohexane, Eastman method.*

Compatibility and Solubility

Compatible at all ratios, or in limited but practically useful proportions, with natural and synthetic rubbers, EVA (ethylene-vinyl acetate) copolymers, SIS (styrene-isoprene-styrene) block copolymers, low molecular weight

polyethylene, paraffin and microcrystalline waxes. Soluble at all useful proportions in aliphatic, aromatic and chlorinated hydrocarbons, esters and ethers. 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 Eastman facilities in The Netherlands and from warehouses located in Europe.

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, as mentioned under the heading "Product Specifications", for a period of at least twelve months after shipment from Eastman 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.

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