

Technical Data Sheet

Piccotac™ 1095-N Hydrocarbon Resin

Applications

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

Key Attributes

- Aliphatic low molecular weight resin
- Excellent adhesion to styrene-isoprene-styrene (SIS) block copolymers
- Excellent color and color stability
- Excellent peel and tack properties

Product Description

Piccotac™ 1095-N Hydrocarbon Resin is a narrow molecular weight distribution, aliphatic C5 resin designed for the adhesives industry. It is compatible with SIS block copolymers, natural rubber and APO elastomers. Piccotac™ 1095 Hydrocarbon Resin is stabilized by addition of 0.25% antioxidant.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
General		
Ring and Ball Softening Point	ASTM E 28	96 °C
Color, Gardner ^d	ASTM D 6166	3
Cloud Point ^f		
DACP		47 °C
MMAp		94 °C
Molecular Weight ^e		
M _n		1200
M _w		2000
M _w /M _n		1.7
M _z		3400
Density		
@ 25°C		0.95 kg/dm ³
Melt Viscosity		
@ 120°C		23000 cP
@ 140°C		3100 cP
@ 160°C		750 cP

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

^d50% in toluene.

^eMolecular weight, z-average from gel permeation chromatography, elution with THF.

Compatibility and Solubility

Compatible in useful proportions, with natural and synthetic rubbers, low vinyl-acetate concentration EVA (ethylene-vinyl-acetate) copolymers, SIS (styrene-isoprene-styrene) block polymers, amorphous poly-alpha olefins, 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™ 1095-N 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

Due to the thermoplastic behavior, pastillated and flaked resins 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. This is particularly applicable for low softening point resin grades.

In order to maintain the flake or pastille shape, we therefore recommend storing the material in a temperature-controlled area, be careful with stacking material or applying pressure and preventing prolonged storage.

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.

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 1095-N Hydrocarbon Resin material will remain within product specification limits, as mentioned under the heading "Product Specifications" (overleaf), for a period of at least twelve months after shipment from Eastman's 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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