

Technical Data Sheet

Piccotac™ 8595 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 compatibility and performance with SIS, SIS/SBS, SIBS, SIBS/SIS and SIBS/SBS block copolymers HMPA systems
- Excellent compatibility with EVA and APO polymers for packaging adhesives
- Light color
- Low odor

Product Description

Piccotac™ 8595 Hydrocarbon Resin is an aromatic-modified, aliphatic hydrocarbon resin developed for the adhesives industry. Its specific degree of modification and low molecular weight provides Piccotac™ 8595 Hydrocarbon Resin with excellent compatibility in SIS, SIS/SBS, SIBS, SIBS/SIS and SIBS/SBS block copolymers HMPA systems, and EVA and APO based packaging adhesives. Piccotac™ 8595 is stabilized by the addition of 0.1% antioxidant. For more information about Piccotac™ 8595, part of our Piccotac™ product family, go to

Typical Properties

Property	Test Method	Typical Value, Units
General		
Ring and Ball Softening Point	ASTM E 28	95 °C
Color, Gardner ^b	ASTM D 6166	2
Cloud Point ^d		
DACP		37 °C
MMAP		82 °C
Molecular Weight ^c		
M _n		900
M _w		1700
M _w /M _n		1.9
M _z		3250
Density @ 25°C		0.97 kg/dm ³
Melt Viscosity		
@ 120°C		3200 cP
@ 140°C		730 cP
@ 160°C		180 cP
Glass Transition Temperature (T _g) ^a		44 °C

^aGlass transition temperature by differential scanning calorimetry.

^b50% in toluene.

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

^dCloud 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 styrenic block copolymers such as SIS (styrene-isoprene-styrene) and SIBS (styrene-isoprene-butadiene-styrene) and styrenic block copolymer blends of SIS/SBS (styrene-isoprene-styrene / styrene-butadiene-styrene), SIBS/SIS and SIBS/SBS, natural rubber, EVA (ethylene-vinyl acetate) copolymers, APO (amorphous polyolefin), 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

Pastilles, in multiwall bags (50 lbs., 22.7 kg, net wt.), packaged on shrink-wrapped pallets of 50 bags each (2500 lbs, 1134 kg), from Eastman facilities and warehouses in Pennsylvania.

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.

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