

Piccotac™ 9095 Hydrocarbon Resin



Piccotac™ 9095 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 is stabilized by the addition of antioxidant.

- Aliphatic resin with a low level of aromatic-modification
- Excellent adhesion in adhesives with 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

eMail: Adhesive.Technologies@Synthomer.com

Property	Typical Value	Unit	Method ¹
Ring and Ball Softening Point	94	°C	ASTM E 28
Color, Gardner	2		ASTM D 6166, 50% solids in toluene
MMA cloud point	89	°C	from 1:2 mixture of methylcyclohexane and aniline
DACP cloud point	47	°C	from 1:1 mixture of xylene and diacetone alcohol
Molecular Weight, Mn	930	g/mol	GPC using polystyrene standards, elution with THF
Molecular Weight, Mw	2000	g/mol	
Molecular Weight, Mz	4200	g/mol	
Polydispersity (Mw/Mn)	2.2		
Melt Viscosity at 115°C	1000	poise	Brookfield
Melt Viscosity at 130°C	100	poise	
Melt Viscosity at 155°C	10	poise	
Glass Transition Temperature (T _g -midpoint)	44	°C	DSC, 20°C/minute

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).

This information or data including any advice or recommendation(s) provided by us (collectively "Information") are not intended to, nor do they, constitute professional advice or services. Information is provided only as of the date hereof on an "AS IS" and "AS AVAILABLE" basis and we do not warrant the accuracy, timeliness or completeness of the Information. To the maximum extent permitted by applicable law, Synthomer disclaims (i) all implied warranties, including as to continued production, fitness for purpose, non-infringement and merchantability; (ii) all liability arising out of the application or use of any product (including infringement of third party intellectual property rights); and (iii) all liability, including without limitation, for special, indirect or consequential losses. Any Information concerning any possible use or application of Synthomer products is given by us in good faith and it is entirely for the recipient to satisfy itself fully as to the suitability of Synthomer products for any particular purpose. Synthomer products are sold in accordance with Synthomer's standard terms and conditions of sale which are available from www.synthomer.com/tc. Synthomer owns all right, title and interest in the Information and all other intellectual property rights and data associated with this information without limitation. All trademarks and logos are the property of Synthomer. Copyright © 2020 Synthomer, all rights reserved.

Piccotac™ 9095 Hydrocarbon Resin



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

Pastilles, in multiwall paper bags (50 lbs, 22.7 kg, net wt). Also available in molten rail cars (160k lbs/truck) and molten tank trucks (42 k lbs/truck).

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. The useful life of this product can be affected by storage and handling conditions. When stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, the shelf life of this product is estimated to continue to meet applicable sales specifications for two years from the date of manufacture. Shelf life is a guide not an absolute value. The product should be reanalyzed for critical properties at the end of its shelf life to see if it meets specification for use.

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.