TECHNICAL DATA SHEET

PICCOTAC™ 1095
Hydrocarbon Resin

PICCOTAC™ 1095 hydrocarbon tackifier resin is a narrow molecular weight distribution, aliphatic C5 tackifier designed for the adhesives industry. It has light color, low odor, and excellent thermal stability. It is compatible with SIS block copolymers, natural rubber, polyisoprene, butyl rubber, EVA, EnBA, mPE, mPP and APO elastomers. Piccotac™ 1095 is stabilized by addition of antioxidant.

- Aliphatic low molecular weight C5 resin
- Excellent adhesion in formulations with styrene-isoprene-styrene (SIS) block copolymers
- Excellent color and stability
- Excellent peel and tack properties

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	2		ASTM D 6166, 50% solids in toluene
MMAP cloud point	95	°C	from 1:2 mixture of methylcyclohexane and aniline
DACP cloud point	52	°C	from 1:1 mixture of xylene and diacetone alcohol
Molecular Weight, Mn	930		GPC using polystyrene standards, elution with THF
Molecular Weight, Mw	1810		
Molecular Weight, Mz	3530		
Polydispersity (Mw/Mn)	1.9		
Melt Viscosity at 110°C	1000	poise	Brookfield
Melt Viscosity at 135°C	100	poise	
Melt Viscosity at 160°C	10	poise	
Density at 25°C	0.940	kg/L	
Glass Transition Temperature (Tg-midpoint)	43	°C	DSC, 20°C/minute

[1] internal method based upon the specified norm

Applications

Carpet, Caulks and Sealants, Hygiene Adhesives, Labels, Other coatings, Packaging, Plastic Modification, Roadmarking, Roofing, Specialty Tapes, Tapes, Tire components, Wax Modification, Wire & Cable, Adhesives

Packaging

Pastilles, in multi-wall paper bags (50 lbs, 22.7 kg, net wt.) and 2000 lb sacks. Also available in molten rail cars (160k lbs/truck) and molten tank trucks (42 k lbs/truck).

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)

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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 and t-butyl acetate. Insoluble in alcohols and water.

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.

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