TECHNICAL DATA SHEET

Piccotac™ 1095-N Hydrocarbon Resin

PICCOTAC™ 1095-N 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-N is stabilized by addition of antioxidant.

- Aliphatic low molecular weight resin
- Excellent adhesion to styrene-isoprene-styrene (SIS) block copolymers
- Excellent color and color 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	96	°C	ASTM E 28
Color, Gardner	3		ASTM D 6166, 50% solids in toluene
DACP cloud point	47	°C	from 1:1 mixture of xylene and diacetone alcohol
MMAP cloud point	95	°C	from 1:2 mixture of methylcyclohexane and aniline
Molecular Weight, Mn	1100	g/mol	GPC using polystyrene standards, elution with THF
Molecular Weight, Mw	1980	g/mol	
Molecular Weight, Mz	3510	g/mol	
Polydispersity (Mw/Mn)	1.8		
Melt Viscosity at 120°C	23000	cP	Brookfield
Melt Viscosity at 140°C	3100	cP	
Melt Viscosity at 160°C	750	cP	
Density at 25°C	0.95	kg/dm³	
Glass Transtion Temperature [Tg Midpoint]	44	°C	DSC, 20°C/minute

[1] internal method based upon the specified norm

Applications

Carpet, Caulks and Sealants, Labels, Labels, Other adhesives , Additives, 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).
Soluble at all useful proportions in aliphatic, aromatic, and chlorinated hydrocarbons and t-butyl acetate. Insoluble in alcohols and water.

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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 Synthomer 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 for a period of at least twelve months after shipment from Synthomer 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.

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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