TECHNICAL DATA SHEET

PICCOTAC™ 8095
Hydrocarbon Resin

PICCOTAC™ 8095 hydrocarbon resin is a medium softening point, aromatic-modified aliphatic C5 tackifier designed to provide better odor and more cohesion than rosin esters for hot-melt packaging applications. It is compatible with styrene block copolymers, EVA, and many polar elastomers. This light colored resin is primarily used in hot melt adhesives and pressure sensitive adhesives. PICCOTAC™ 8095 is stabilized by the addition of antioxidant.

- Aromatic modification to replace tall oil rosin ester
- Excellent cohesion
- Good compatibility with styrene block copolymers, EVA, and many polar elastomers
- Higher cohesion and lower odor than rosin ester
- Light color, low odor
- Promotes low temperature properties
- SBS tackifier

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	3		ASTM D 6166, 50% solids in toluene
MMAP cloud point	77	°C	from 1:2 mixture of methylcyclohexane and aniline
DACP cloud point	38	°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)	2240	g/mol	
Molecular Weight (Mz)	5350	g/mol	
Polydispersity (Mw/Mn)	2.4		
Melt Viscosity at 130°C	1000	poise	Brookfield
Melt Viscosity at 155°C	100	poise	
Melt Viscosity at 190°C	10	poise	
Glass Transition Temperature (Tg-midpoint)	44	°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, Wax Modification, Wire & Cable, Adhesives

Compatibility and Solubility

Compatible in useful proportions, with natural rubber and synthetic rubbers, EVA (ethylene-vinyl-acetate) copolymers, SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers, APAO (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.

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Packaging

Pastilles in 50, 1000, and 2000 lb sacks. Also available in molten rail cars (160k 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.

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