

Piccotac™ 1020-E

Hydrocarbon Resin

Piccotac™ 1020-E hydrocarbon resin is a liquid, low molecular weight hydrocarbon resin based on aliphatic monomers of petroleum origin. Piccotac™ 1020-E is pale in color, has good heat and light stability and contributes an excellent balance of tack and adhesive properties to systems blended with elastomers. Piccotac™ 1020-E is designed primarily for use in pressure sensitive and hot melt adhesives. It is stabilized with antioxidant.

- Aliphatic liquid resin used to increase tack and reduce viscosity
- Excellent adhesion in adhesives with styrene-isoprene-styrene (SIS) block copolymers
- Excellent compatibility in natural rubber
- Excellent tack and peel properties
- Light color, low odor
- Resistance to oxidation

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	Liquid		ASTM E 28
Color, Gardner	5 (neat)		ASTM D6166
Viscosity at 30°C (neat)	27776	cP (mPa·s)	Brookfield
MMA cloud point	92	°C	from 1:2 mixture of methylcyclohexane and aniline
DACP cloud point	46	°C	from 1:1 mixture of xylene and diacetone alcohol
Molecular Weight, Mn	1085	g/mol	GPC using polystyrene standards, elution with THF
Molecular Weight, Mw	1750	g/mol	
Molecular Weight, Mz	2900	g/mol	
Polydispersity (Mw/Mn)	1.6		
Glass transition temperature (Tg-midpoint)	-49	°C	DSC, 20°C/min

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, EVA (ethylene-vinyl acetate) copolymers, APAO (amorphous poly-alpha-olefins), SIS (styrene-isoprene-styrene) and SBS (styrene-butadiene-styrene) block copolymers, polyethylene polymers, polypropylene polymers, paraffin and microcrystalline waxes; PIB (polyisobutene), OBC (olefinic block copolymer), and metallocene-catalyzed polyolefins.

Soluble at all useful proportions in aliphatic, aromatic, and chlorinated hydrocarbons. Insoluble in alcohols and water.

Packaging

PICCOTAC™ 1020-E hydrocarbon resin is supplied in open-head steel drums (170 kgs net wt.), on pallets containing 4 drums each, from Synthomer production facilities in the Netherlands and from warehouses located in Europe.

Disclaimer: This information or data and any other advice or recommendations given or made by us (collectively "Information") are not intended to, nor do they, constitute professional advice or services. Information is provided "AS IS" and on an "AS AVAILABLE" basis and without warranty. We do not warrant or accept responsibility for the accuracy, timeliness or completeness of the Information or data or its suitability for a particular purpose. Synthomer makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Synthomer disclaims (i) any and all liability arising out of the application or use of any product (including as to infringement of third party intellectual property rights), (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability. Any Information concerning any possible use or application of Synthomer products is given by us in good faith and it is entirely for you to satisfy yourself 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.

Piccotac™ 1020-E

Hydrocarbon Resin



Storage

Inside storage is recommended. Storage at temperatures above 30°C should be avoided.

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™ 1020-E hydrocarbon resin material will remain within product specification limits for a period of at least twelve months after shipment from Synthomer's 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.