Staybelite™ Ester 3-E Ester of Hydrogenated Rosin



Revision: 11.04.2022 Page 1 of 2

STAYBELITE™ ester 3-E ester of hydrogenated gum rosin is a pale, viscous, balsamic liquid with the resistance to oxidation and discoloration characteristic of the STAYBELITE series of resins. The tacky, highly adhesive resin can be readily emulsified, and serves as plasticizer for a wide range of film formers.

STAYELITE ester 3-E is broadly compatible with many other components, and it has found wide acceptance in hot melt, pressure sensitive, and laminating adhesives. In general, it finds use where there is a need for a pale, non-oxidizing, color-stable, highly tacky liquid resin.

- Good resistance to oxidation and discoloration
- High viscous tackifier resin with excellent ageing characteristics
- · Light color
- Low odor
- Wide solubility and compatibility range

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

Typical Value	Unit	Method ¹
Ester of Hydrogenated Gum Rosin		
liquid		ASTM E 28
7		ASTM D 6166, 50% solids in toluene
8	mg KOH/g	ASTM D 465
23625	cP (mPa·s)	Brookfield LVTD at 35°C, spindle 31
	Ester of Hydrogenated Gum Rosin liquid 7	Ester of Hydrogenated Gum Rosin liquid 7 8 mg KOH/g

¹ internal method based upon the specified norm

Applications

Caulks and Sealants, Assembly, Packaging specialities, Carpet, Packaging, Graphic inks, Film Modification, Hygiene Adhesives, Labels, Film Modification, Tapes, Plastic Modification, Other coatings, Roadmarking, Roofing, Other adhesives, Packaging, Adhesives, Speciality tapes, Tire components, Wire and cable, Adhesives

Compatibility and Solubility

Compatible at all ratios, or in limited but practically useful proportions, with resins, waxes, plasticizers, and film formers such as natural and synthetic rubbers, chlorinated rubber, nitrocellulose, and ethylcellulose.

Soluble in esters, ketones, higher alcohols, glycol ethers, aliphatic and aromatic hydrocarbons, and chlorinated solvents. Insoluble in ethanol and water.

Solubility Parameters, 50% resin concentration. 7,0-11,1 in Class I solvents - weakly hydrogen-bonded; 7,4-10,6 in Class II solvents - moderately hydrogen-bonded; 9,5-11,9 in Class III solvents - strongly hydrogen-bonded.

Packaging

STAYBELITE™ ester 3-E ester of hydrogenated rosin is supplied in open-head steel drums with a net weight of 190 kg, on pallets containing 4 drums each, from Synthomer production facilities in the Netherlands and from warehouses located in Europe.

Storage

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

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.

TECHNICAL DATA SHEET

Staybelite™ Ester 3-E Ester of Hydrogenated Rosin



Revision: 11.04.2022 Page 2 of 2

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.

STAYBELITE™ ester 3-E ester of hydrogenated rosin 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.