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# Product Data Sheet

## Staybelite®

Hydrogenated Wood Rosin

Number 4329

### Product Description and Use

**Staybelite®** resin is wood rosin that has been partially hydrogenated via a catalytic process. It is a pale, thermoplastic, acidic resin. Hydrogenation makes this resin highly resistant to oxidation and discoloration, and to changes in solubility characteristics, when it is exposed to air and heat. In these respects, it is greatly superior to ordinary non-hydrogenated rosins. Esters, metallic salts, and other derivatives of Staybelite resin inherit this stability to a large degree. The softening point of Staybelite resin is slightly lower than that of non-hydrogenated rosin; otherwise, its solubility and compatibility characteristics are similar.

### Applications

- Tackifier, plasticizer, and processing aid for polymers in adhesives and hot melt coatings
- Component in thermoplastic mixtures for can sealing compounds, sealing wax, optical lens pitch, and electrical cable saturants
- Wax modifier in paper coatings for improved gloss, clarity and added adhesion
- Used in preparations of synthetic resins, metal resinates, soldering fluxes, caulking compounds, and ceramic inks

### Benefits

- Exceptional pale color
- Oxidation and discoloration resistant
- Wide solubility and compatibility range

### General Sales Specifications

Softening Point, Ring & Ball, °C, minimum.....	65
Acid Number .....	158 - 168
Color, USRG rosin scale, maximum .....	WW

### Typical Properties

Color, USDA rosin scale.....	X
Softening Point, Ring & Ball, °C .....	67
Acid Number .....	161
Refractive index at 100 °C .....	1.5008
Density at 25 °C, lb/gal (kg/l).....	8.7 (1.045)
Abietic Acid, % .....	<3

## Packaging

<u>Package</u>	<u>Form</u>	<u>Net Weight</u>
Drum, light gauge metal	Solid	500 lbs, 226.8 kgs
Keg, fiber	Solid	50 lbs, 22.68 kgs
Bulk, tank truck	Molten	Varies

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## Regulatory/Classifications

CAS No. 65997-06-0 US DOT: Not regulated

US FDA:	21 CFR 172.210	21 CFR 176.210
	21 CFR 175.105	21 CFR 177.1200
	21 CFR 175.125	21 CFR 177.1210
	21 CFR 175.300	21 CFR 177.1400
	21 CFR 175.320	21 CFR 177.2600
	21 CFR 175.390	21 CFR 178.3120
	21 CFR 176.170	21 CFR 178.3800
	21 CFR 176.180	21 CFR 178.3850
	21 CFR 176.200	21 CFR 178.3870

Other regulatory information available on request.

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## Product Safety

Read and understand the Material Safety Data Sheet before using this product.

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