REVOLUTION™
ROSIN ESTER TECHNOLOGY

Sustainable Solutions.
Endless Innovation.™



Fostering the Bioeconomy with Advanced Performance

Kraton is dedicated to advancing the bio-based economy, offering innovative solutions to help customers reduce the usage of fossil-based materials, increase the use of renewable resources, and lower carbon emissions while enhancing product performance and extending product life.

APPLICATIONS

- Hot-melt adhesives
- Preasure-sensitive adheives
- Product assembly

TYPICAL MARKETS

- Hygiene products
- Packaging
- Tapes

RE*volution*™ is an innovative technology platform offering a scalable, next-generation solution designed to deliver high-performance bio-based tackifiers. Kraton's rosin ester technology offers enhanced color and performance while meeting the industry's sustainability needs. RE*volution* rosin esters provide a sustainable alternative to fossil-based products, enabling formulators to achieve a high bio-based content and a low carbon footprint.

FEATURES

- Near-water white appearance*
- 97% USDA certified biobased content
- Low carbon footprint
- Improved color stability

*Available for certain RE*volution* grades

KRATON™

Sustainable Chemistry

With up to 97% USDA-certified biobased content, resins developed with RE*volution* technology have a much lighter initial color while maintaining its excellent adhesion performance and compatibility with a wide range of polymers. Kraton's rosin ester tackifiers are pine-based products derived from crude tall oil (CTO), a renewable byproduct of the kraft paper industry. Pine trees are harvested from responsibly managed forests, are not subject to seasonal availability, and do not compete for land with food crops. The factors enhance the overall supply chain reliability of Kraton's rosin esters.

Through carbon footprint data backed by Kraton's life cycle assessments, many customers are able to attain substantial carbon emission reductions in their final products, or reduce their corporate upstream emissions, when using Kraton's bio-based tackifiers.

Typical Properties	Test Method	SYLVALITE 9100	SYLVALITE 2100	SYLVALITE 2200
		Typical Value		
Softening Point (C°)	AQCM 003	105	99	99
Glass Transition Temperature (C°)	AQCM 218	55	48	52
Color, neat (Gardner)	AQCM 002	-	-	1
Color, 1:1 toluene solution (Gardner)	AQCM 002	0.5	1	-
Color, 1:1 toluene solution (Hazen)	AQCM 002	88	-	-
Acid Number (mg KOH/g)	AQCM 001	7	4	9

The values presented are average values for typical resin samples and should not be construed as product specifications. Kraton's test methods are available upon request.

KRATON CORPORATION

For more information, visit our website at www.kraton.com.

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