

## SYLVACOTE™ 4995 Modified Rosin Ester

### PRODUCT DATA SHEET

SYLVACOTE 4995 modified rosin ester resin is designed for use as a binder in high performance thermoplastic road marking formulations. SYLVACOTE 4995 can be formulated into markings that maintain consistent viscosity and color through pot life, enabling more predictable application properties for the contractor, longer service life for the road owner and improved visibility for the driver.

#### FEATURES

- Low color, stable through pot life
- Low melt viscosity, stable through pot life
- Good adhesion with glass beads, anti-skid aggregates and the pavement
- Initial and long-term retro-reflectivity
- Adhesion to damp substrates
- Oil & gas resistance
- Based on a renewable, non-food, non-animal raw material
- SYLVACOTE 4995 modified rosin ester contains 98% USDA certified biobased content

#### POTENTIAL APPLICATIONS

- Spray- or screed-applied thermoplastic traffic striping
- Preformed thermoplastic pavement marking
- Thermoplastic pavement marking tape

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	ASTM D6090 (AQCM 003)	103 – 110	106
Acid value (mg KOH/g)	ASTM D465 (AQCM 001)	30 – 45	36
Color, Gardner, neat	ASTM D6166 (AQCM 002)	Max 6	5.0

\*Kraton internal methods are based on referenced standard method. Guidance is available upon request.

### TYPICAL VALUES

Property	Test Method*	Typical Value	
Glass Transition Temperature (°C)	Internal Method (AQCM 218)	59	
Flashpoint (°C)	ASTM D92 (AQCM 007)	>250	
Viscosity (mPa·s)	ASTM D2196 (AQCM 004)	150°C	3600
		180°C	343
		200°C	117
		218°C	67

\*Kraton internal methods are based on referenced standard method. Guidance is available upon request.

<b>SOLUBILITY</b>	SYLVACOTE™ 4995 modified rosin ester is soluble in: <ul style="list-style-type: none"> <li>- Aromatic / aliphatic solvents e.g., hexane &amp; toluene</li> <li>- esters and ketones e.g., ethylacetate and acetone</li> <li>- long chain alcohols e.g., pentanol</li> <li>- Insoluble in smaller alcohols e.g., ethanol and propanol</li> </ul>
<b>COMPATIBILITY</b>	SYLVACOTE 4995 can be plasticized with mineral oil, vegetable oil or tall oil esters and is compatible with: <ul style="list-style-type: none"> <li>- Hot melt polyamides</li> <li>- Most commonly used EVA copolymers</li> <li>- Polyethylene waxes</li> <li>- Natural rubber &amp; synthetic rubber (SIS, SBR and SBS)</li> </ul>
<b>PACKAGING</b>	SYLVACOTE 4995 is delivered in 50 lb bags and in 2000 lb bulk bags.
<b>STORAGE RECOMMENDATION</b>	Storage and transit dry and below 25°C/ 77°F is recommended. To prevent remassing, keep away from direct sunlight or other sources of heat. Product stored or transported at higher temperatures should be evaluated for impact on performance before use.



The USDA Certified Biobased Product label is a certification mark of the U.S. Department of Agriculture.

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**Contact us:**  
Almere (NL): +31 (0)36 54 62 800  
Savannah (US): + 1 (912) 238-6439  
Shanghai (CN): + 86 21 6434 8898  
[www.kraton.com](http://www.kraton.com)