

## SYLVAROS™ R 100A Rosin

### PRODUCT DATA SHEET

SYLVAROS R 100A Rosin can be used in the formulation of paper sizing agents as well as for the manufacture of rosin derivatives.

#### FEATURES:

- Brittle at room temperature
- Natural organic material
- Acid functionality (COOH)

#### POTENTIAL APPLICATIONS:

- Paper sizing agents
- Rosin derivatives

#### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number (mg KOH/g)	AQCM 001	160 – 180	170
Colour, US Rosin Standards	AQCM 062	M or better	M
Unsaponifiables (%)	AQCM 011	Max 10	7
Abietic Acid by GC (%)	AQCM 022	30 – 60	53
Dehydroabietic Acid by GC (%)	AQCM 022	2 – 15	5
Drop Point (°C)	AQCM 213	75 – 95	88

\*KRATON test methods are available upon request

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<p><b>SOLUBILITY</b></p>	<p>SYLVAROS™ R 100A Rosin is <u>soluble</u> in most organic solvents and, after neutralization with sodium hydroxide solution, potassium hydroxide solution, ammonia or amines, also soluble in water.</p>
<p><b>PACKAGING</b></p>	<p>SYLVAROS R 100A Rosin is delivered in pastille form in 25 kg bags or as molten in heated tank trucks or ISO containers. For molten deliveries product is loaded at minimum 180 °C.</p>
<p><b>STORAGE RECOMMENDATION</b></p>	<p>SYLVAROS R 100A Rosin pastilles should be stored below 30 °C. In temperatures above 20 °C the pallets should be single stacked to avoid compression of the material. If re-massing still occurs tapping the bags will normally restore the free flowing properties.</p> <p>Under correct conditions SYLVAROS R 100A Rosin pastilles should have a shelf life of at least 12 months from the date of production. Average oxygen absorption is less than 0.2 % (w/w) over a period of 4 weeks. The material may, however, deteriorate slightly in colour if stored for a prolonged period exposed to air. Molten rosin at higher temperatures should be blanketed with an inert gas to prevent any possibility of oxidation by atmospheric oxygen.</p>

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