

SYLVARES™ SA 100 AMS Resin

PRODUCT DATA SHEET

SYLVARES SA 100 AMS (alpha methyl styrene) resin is a water white aromatic hydrocarbon resin with superior oxidative stability. This resin may be used as a reinforcing agent in modifying the styrene endblocks of styrenic block-copolymers in order to improve cohesion and high temperature resistance. It can also be used as a tackifier for EVA based hot melt adhesives.

FEATURES:

- waterwhite
- low odor and volatiles
- improving strength and heat resistance

POTENTIAL APPLICATIONS:

- hotmelt adhesives for bookbinding, packaging, woodworking and pressure sensitives
- endblock reinforcing resin for styrenic block-copolymers
- sealants
- modification of thermoplastics

SALES SPECIFICATIONS

| Property | Test Method* | Specification | Typical Value |
|-----------------------------|--------------|---------------|---------------|
| Softening Point (°C) | AQCM 003 | 95 – 105 | 101 |
| Color, (Hazen, 1:1 toluene) | AQCM 002 | Max. 60 | 11 |

*Kraton test methods are available upon request

TYPICAL VALUES

| Property | Test Method* | Typical Value |
|--|--------------|---------------|
| Glass Transition Temperature (°C) | AQCM 218 | 52 |
| Viscosity, Brookfield (125°C), mPas or cP. | AQCM 004 | 22185 |
| Viscosity, Brookfield (150°C), mPas or cP. | | 1862 |
| Viscosity, Brookfield (177°C), mPas or cP. | | 322 |

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|-------------------------------|--|
| SOLUBILITY | <p>SYLVARES SA 100 AMS resin is fully soluble in:</p> <ul style="list-style-type: none"> - aromatic solvents like toluene - esters and ketones like ethylacetate and acetone - insoluble in aliphatic solvent like hexane and in alcohols like ethanol and propanol |
| COMPATIBILITY | <p>SYLVARES SA 100 AMS resin is compatible with:</p> <ul style="list-style-type: none"> - styrene phase of SBCs - EVAs when blended with other resins like rosin esters or AMS phenolics - paraffin, microcrystalline, FT and polyethylene waxes |
| PACKAGING | <p>The product is a solid resin supplied as pastilles in 20kg paper bags and 500kg big bags.</p> |
| STORAGE RECOMMENDATION | <p>Storage and transit at < 86°F / 30°C is recommended. Product stored or transported at higher temperatures should be evaluated for impact on performance before use.</p> |

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