

## SYLVARES™ 520 AMS Phenolic Resin

### PRODUCT DATA SHEET

SYLVARES 520 AMS (alpha methyl styrene) Phenolic resin is a water white aromatic hydrocarbon resin with good oxidative stability. The phenolic component improves compatibility with high polarity polymers. The low Tg of SYLVARES 520 resin improves elasticity at low temperature.

#### FEATURES:

- waterwhite
- contains polar groups
- low Tg

#### POTENTIAL APPLICATIONS:

- packaging
- bookbinding
- woodworking

### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Softening Point (°C)	AQCM 003	70-80	75
Color, (Hazen, 1:1 toluene)	AQCM 002	Max. 60	17

\*Kraton test methods are available upon request

### TYPICAL VALUES

Property	Test Method*	Typical Value
Glass Transition Temperature (°C)	AQCM 218	38
Viscosity, Brookfield (125°C), mPas or cP	AQCM 004	1069
Viscosity, Brookfield (150°C), mPas or cP		193
Viscosity, Brookfield (177°C), mPas or cP		57

\*Kraton test methods are available upon request

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<b>SOLUBILITY</b>	SYLVARES 520 AMS Phenolic resin is soluble in: <ul style="list-style-type: none"> <li>- aromatic solvents like toluene</li> <li>- esters and ketones like ethyl acetate and acetone</li> <li>- insoluble in aliphatic solvent like hexane and in alcohols like ethanol and propanol</li> </ul>
<b>COMPATIBILITY</b>	SYLVARES 520 AMS Phenolic resin is compatible with: <ul style="list-style-type: none"> <li>- styrene phase of SBCs</li> <li>- ethylene co-polymers like EVA with 28 to 45 % VA</li> <li>- higher polarity polymers like polyurethane</li> <li>- paraffin, microcrystalline, FT and polyethylene waxes</li> </ul>
<b>PACKAGING</b>	The product is a solid resin supplied as pastilles in 20kg paper bags and 500kg big bags.
<b>STORAGE RECOMMENDATION</b>	Cool storage and transit at < 70°F / 20°C is recommended. To help 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.

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