

SYLVARES™ 540 AMS Phenolic Resin

PRODUCT DATA SHEET

SYLVARES 540 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 540 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	1671
Viscosity, Brookfield (150°C), mPas or cP		271
Viscosity, Brookfield (177°C), mPas or cP		73

*Kraton test methods are available upon request

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SOLUBILITY	<p>SYLVARES 540 AMS Phenolic resin is 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 540 AMS Phenolic resin is compatible with:</p> <ul style="list-style-type: none"> - styrene phase of SBCs - ethylene co-polymers like EVA with 28 to 45 % VA - higher polarity polymers like polyurethane - 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>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.</p>

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