

# Technical Data Sheet

## Astro Mel™ NW-3A

### Description

Astro Mel NW-3A is a liquid, partially methylated melamine resin.

### Application

Astro Mel NW-3A is a waterborne resin that can be used to crosslink hydroxy-functional polymers in formulations used for wood coatings, nonwoven binders, and textile finishing. This resin also readily self-condenses to provide excellent film hardness. In most cases, Astro Mel NW-3A provides adequate cure response without the addition of strong acid catalyst. To promote cure at lower bake temperatures, the use of a blocked acid catalyst is recommended.

### Benefits

Astro Mel NW-3A can provide improved solvent, stain, mar, and block resistance to wood coatings and firm, resilient finishes that are highly abrasion and solvent resistant in nonwovens and textile applications. Additionally, Astro Mel NW-3A offers fast cure response at temperatures below 150 °C, low formaldehyde content, and good can stability.

### Typical Properties

Property	Value	Unit	Test Method
Estimated Storage Life @ 21°C	26	weeks	ADCH0473-H
Free Formaldehyde	0.5	%	ADCH0188
Solids	80 ± 2	%	ADCH0407
Solvent Water	0		
Specific gravity	1.23 - 1.25		ADCH0362
Viscosity Gardner-Holdt	S - V		ADCH0593
Viscosity Brookfield	500 - 900	cP	ADCH0650
Weight	~ 10.3	Pounds per Gallon	ADCH0444

### Material Storage

Properties	Method	Specification
Estimated Storage Life @ 21°C	ADCH0473-H	26 weeks

### Material Handling

Handle in accordance with good industrial hygiene and safety practices. Refer to the Material Safety Data Sheet for specific handling instructions.

### ASTRO MEL NW-3A Contact Information

Astro Mel NW-3A  
<https://www.hexion.com/en-US/product/astro-mel-nw-3a>

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