

# Technical Data Sheet

## Astro Mel™ 400

### Description

Astro Mel 400 is a liquid, partially methylated melamine resin.

### Application

Astro Mel 400 is a waterborne resin that can be used to crosslink hydroxy-functional polymers in formulations used for wood and metal coatings, nonwoven binders, and textile finishing. In most cases, Astro Mel 400 provides adequate cure response without the addition of a strong acid catalyst. To promote cure at lower bake temperatures, the use of a blocked acid catalyst is recommended.

### Benefits

Astro Mel 400 can improve the solvent, stain, mar, and block resistance of wood coatings and the hardness, impact and solvent resistance of metal coatings. In nonwovens and textile applications, this resin yields firm, resilient finishes that are highly abrasion and solvent resistant. Additionally, Astro Mel 400 offers good formulated stability and adequate cure response at temperatures below 160 °C.

### Typical Properties

Property	Value	Unit	Test Method
Estimated Storage Life @ 21°C	26	weeks	ADCH0473-H
Free Formaldehyde	0.9	%	ADCH0188
Solids	80 ± 2	%	ADCH0407
Solvent Water	0		
Specific gravity	1.23 - 1.25		ADCH0362
Viscosity Brookfield	1000 ± 250	cP	ADCH0650
Viscosity Gardner-Holdt	S – W		ADCH0593
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.

### Contact Information

Corporate Headquarters Technical and Sales Inquiries:

Astro Mel 400

<https://www.hexion.com/en-US/product/astro-mel-400>

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