

Technical Data Sheet

Astro Mel™ CR-1

Description

Astro Mel CR-1 is a liquid, partially methylated melamine resin.

Application

Astro Mel CR-1 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 CR-1 provides adequate cure response without the addition of a strong acid catalyst. To promote cure at lower temperatures, the use of a blocked acid catalyst is recommended.

Benefits

Astro Mel CR-1 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 CR-1 offers good cure response at temperatures below 150 °C, very low formaldehyde content, and good can stability.

Typical Properties

Property	Value	Unit	Test Method
Estimated Storage Life @ 21°C	0		ADCH0473-H
Free Formaldehyde	0.4	%	ADCH0188
Solids	80 ± 2	%	ADCH0407
Solvent Water	0		
Specific gravity	1.23 - 1.25		ADCH0362
Viscosity Gardner-Holdt	Q - V		ADCH0593
Viscosity Brookfield	400 - 700	cP	ADCH0650
Weight	~ 10.3	Pounds per Gallon	ADCH0444

Material Storage

Properties	Method	Specification
Estimated Storage Life @ 21°C	ADCH0473-H	16 weeks

Contact Information

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Astro Mel CR-1

<https://www.hexion.com/en-US/product/astro-mel-cr-1>

Generated: April 17, 2024

Issue Date:

Revision:

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