

Technical Data Sheet

Astro Mel™ 601

Description

Astro Mel 601 is a liquid, hexamethoxymethyl-type melamine resin.

Application

Astro Mel 601 can be used to crosslink a variety of solvent-based and waterborne polymers that contain hydroxyl, amino, amido, and carboxyl functional groups. Acid catalysts, such as toluenesulfonic acid, are recommended to promote cure at lower bake temperatures. Astro Mel 601 is not water-soluble, but can be dissolved with the aid of alcohol or other cosolvents. In many cases, the surfactant vehicle of latex systems is adequate to promote solubility.

Benefits

Astro Mel 601 can provide improved solvent, impact, and abrasion resistance to wood and metal coatings.

Typical Properties

Property	Value	Unit	Test Method
Estimated Storage Life @ 21°C	52	weeks	ADCH0473-H
Free Formaldehyde	0.3	%	ADCH0188
Solids	98 - 0	%	ADCH0407
Solvent None	0		
Specific gravity	1.18 - 1.22		ADCH0362
Viscosity Brookfield	2000 - 4500	cP	ADCH0650
Viscosity Gardner-Holdt	X - Z3		ADCH0593
Weight	~ 10.0	Pounds per Gallon	ADCH0444

Material Storage

Properties	Method	Specification
Estimated Storage Life @ 21°C	ADCH0473-H	52 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 601 Contact Information

Astro Mel 601

<https://www.hexion.com/en-US/product/astro-mel-601>

Generated: April 27, 2024

Issue Date:

Revision:

® and ™ Licensed trademarks of Hexion Inc.

The information provided herein was believed by Hexion Inc. ("Hexion") to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Hexion are subject to Hexion's terms and conditions of sale. **HEXION MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY HEXION**, except that the product shall conform to Hexion's specifications. Nothing contained herein constitutes an offer for the sale of any product.