

Technical Data Sheet

Astro Celrez LPM Series

Description

The Astro Celrez LPM series are liquid, melamine-formaldehyde resins.

Application

Astro Celrez LPM are thermosetting resins that can be used in paper-saturating applications for the manufacture of low-pressure melamine laminates and laminate flooring products. To achieve adequate cure response, the use of a latent acid catalyst (i.e. Aricel AS-32 or Fentak CT0234) is recommended.

Benefits

Laminates produced with Astro Celrez LPM resins exhibit good water and craze resistance, hardness, gloss, and clarity. Astro Celrez LPM provides good paper penetration properties and excellent cure response when properly catalyzed.

Typical Properties

Property	Value	Unit	Test Method
Estimated Storage Life @ 25°C	21	Days	ADCH0473-H
Free Formaldehyde	0.25	%	ADCH0188
pH 25°C	9.4 – 9.7		ADCH0650
Solids 1g, 1 hr@120°C	50 - 63	%	ADCH0407
Solvent	Water		
Specific gravity 25°C	1.21 - 1.25		ADCH0362
Viscosity LV1@25°C	30 - 75	cP	ADCH0650
Water Tolerance By Volume	140 - 220	%	ADCH0632
Water Tolerance By Weight	120 - 180	%	ADCH0636
Weight	~10.3	Pounds per Gallon	ADCH0444

Material Storage

Properties	Method	Specification
Estimated Storage Life @ 25°C	ADCH0473-H	21 Days

Material Handling

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

Astro Celrez LPM Series
<https://www.hexion.com/en-US/product/astro-celrez-lpm-series>

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