



International Polyurethane Systems Inc.

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Material Data Sheet Binder D1010/8

Product Description:

A low viscosity, one component polyurethane binder based on aromatic MDI which does not contain any solvent, and cures by reaction with atmospheric moisture.

Chemical Properties:

Properties	Unit	Test Method	Typical Values
Appearance			clear
Isocyanate Content	%	ASTM D2572-87	8.5 - 9.5
Density	g/cm ³	ASTM-D 1475	1.10 - 1.15
Viscosity @ 22°C (Brookfield DV-2+ @ 20RPM Spindle 3)	cP	ASTM-D 4878	3000 - 4000
Flash Point	°C		>200

Curing Profile:

Curing takes place by reaction with atmospheric moisture. Curing will be faster at elevated temperatures or with use of catalysts, as well as at higher humidity levels.

Curetime @ 25C (1mm thickness): Approximately 24 hours

Application:

Apply as needed by mixing with particulate matter.

Storage:

The materials must be protected against humidity and stored at 18 - 25 °C (65 - 77 °F) for optimum shelf life of 6 months.

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