



International Polyurethane Systems Inc.

P.O. Box 3309 \* 5590 - 46th Ave. SE  
Salmon Arm, B.C. V1E 4S1 \* Canada

Tel 250-832-5142 Fax 250-832-9338

## Material Data Sheet Casting Resin CST101/65

### Product Description:

A 100 % solids, two component, flexible polyurethane based on aromatic MDI. This formulation does not contain any solvents or abrasive fillers and has excellent mechanical properties. It is especially suitable for applications in the 65 shore A hardness range

### Chemical Properties:

Properties	Unit	Test Method	Typical Values		
			Polyol	Isocyanate	Mixture
Appearance			white	clear/amber	off-white
Density	g/cm <sup>3</sup>	ASTM-D 1475	1.03	1.18	1.08
Viscosity @ 22°C (Brookfield DV-2+ @ 20RPM Spindle 3)	cP	ASTM-D 4878	1150	300	800
Flash Point	°C		>200	>200	>200
Mixing Ratio @ 22°C	by weight		100	60	
Mixing Ratio @ 22°C	by volume		100	50	
Potlife @ 22°C	min				5-10
Tackfree Time @ 22°C	min				20-30

### Physical Properties:

Properties	Unit	Test Method	Typical Values
			Mixture
Shore Hardness	shore A	ASTM-D 2440	65 - 70
Tensile Strength (7 days)	psi	ASTM-D 412	400
Elongation @ Break (7 days)	%	ASTM-D 412	125
Acid/Base Resistance			Very Good

### Application:

Mix part B well before starting. For use with 2-component spraying or casting applications.

### Storage:

The materials must be protected against humidity and stored at 20 - 25 °C (75 - 77 °F) for optimum shelf life of 6 months.

*Disclaimer: Other than as expressly stated in IPS's Terms and Conditions of Sale governing the sale of this material, the information enclosed is given without warranty, representation, or license of any kind. The relationship between the Purchaser and IPS, with regard to this material, is governed exclusively by IPS's Terms and Conditions of Sale. The conditions of your use and the suitability of IPS's products and technical assistance concerning suggested formulations, processing techniques, substrate suitability, etc. are beyond IPS's control. Therefore, it is imperative that you test IPS's products under your own processing conditions to determine to your own satisfaction whether they are suitable for your intended uses and applications.*

Revision date: July 7/06