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Data Sheet

Z-7681M1 Polyurethane Compound

Product Name: Z-7681M1

Revised 6/19/2003

Supersedes: 12/7/2001

Description Z-7681M1 is a clear polyurethane compound for use on decal, labels, emblems and other decorated substrates.

Hazards Part A is manufactured for commercial use only. (see MSDS) Part B contains aliphatic diisocyanate and polymeric isocyanates. See MSDS for safe handling instructions.

Storage Both Part A and Part B are sensitive to moisture. Containers must be kept closed during storage. Storage temperature can be ambient, however the material should be warmed to 90-110°F before using.

Component Z-7681M1 Part A

Typical Liquid Properties

Appearance	Clear liquid with a slight yellow tint
Specific Gravity	1.05 @ 25° C
Weight per Gallon	8.74 @ 25° C
Brookfield Viscosity	100-200 cps @ 25° C #2 Spindle RTV @ 20rpm
Hydroxyl Value	305-315
Acid Value	less than 0.75
Water Content	less than 0.1%

Component Z-7681M1 Part B

Typical Liquid Properties

Appearance	Clear liquid
Specific Gravity	1.05 @ 25° C
Weight per Gallon	8.75 @ 25° C
Brookfield Viscosity	50-300 cps. @ 38° C #2 Spindle RTV @ 50rpm
NCO Value	13.5-14.25%

Mixing Information

Ratio by Weight	Part A	55
	Part B	100

Ratio by Volume	Part A	55
	Part B	100

Curing

Gel Time 8-10 minutes, 100 grams @ 38° C

All information, recommendations and suggestions contained herein are to the best of our knowledge true and accurate, but are made without guarantee. No warranty of fitness for a particular purpose is made. Nothing herein shall be construed to allow infringement of any patent.

Typical Physical Properties

Hardness @ 25° C	Initial	65-75 Shore A	30-40- Shore D
	After 30 Seconds	60-65 Shore A	20-30 Shore D

Heat Aging 7 days @ 85°C, no change

Weathering Accelerated weathering RS-4 sunlamp 100 hours with water spray, no change.

Humidity Resistance 7 days 100% RH @ 25°C, no change

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