



# Chemline X-75410

## Polyurethane Compound

### Description

**Chemline X-75410** is a clear polyurethane compound for use on decals, labels, emblems, and other decorated substrates. Also suitable for potting solar cells.

### Processing

**Chemline X-75410** should be mixed thoroughly by a static mixer, or by hand, with a clean spatula in a clean disposable container such as a polypropylene beaker or plastic lined hot drink cup.

### Storage

Both materials must be protected from moisture. Storage temperatures should be ambient. In storage, containers should be tightly closed since this material is moisture sensitive. Material should be warmed to 90-110°F prior to use. With proper storage practices, the shelf life of **Chemline X-75410** is 6 months or more.

### Safety

**Chemline Z-75410** is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. Be sure to read SDS in its entirety prior to use.

### Properties of Components

Property	Clear Polyol	Aliphatic Iso
Mixing Ratio (by volume)	1	1
Mixing Ratio (by weight)	1	1
Specific Gravity	1.10	1.10
Density lbs/gal	9.14	9.14
Viscosity @ 100 °F	500 ± 150 cps	140 ± 50 cps
Hydroxyl Value	290-310	-
Gel Time	4-20 minutes	
Cure Time	100-200°F (4-16 hours)	

### Cured Elastomer Properties

Property	Value
Hardness, D-2240	Shore A 85-90 Shore D 45-55
Humidity Resistance	7 days 100% RH @ 100°F
Shrinkage on Cure	0.5% cured at RT 1% cured at 167°F
Heat Aging	7 days @ 185°F, no change
Total Integrated Transmission	90%

\*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

### Optical Properties

Property	Value
Index of Refraction	1.475 nD
UV Cutoff Wave Length	360 nM

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