



Chemline Z-8050

Polyurethane Compound

Description

Chemline Z-8050 is a clear, rigid, light and weather stable polyurethane compound.

Processing

Chemline Z-8050 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 Z-8050** is 1 year in sealed bags and 90 days in disposable bags.

Safety

Chemline Z-8050 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	9.13
Viscosity @ 100 °F	500 ± 150 cps	140 ± 50cps
NCO Value	-	22.7% ± 0.5
Acid Value	Less than 0.75	-
Hydroxyl Value	290-310	-
Gel Time	4-6 minutes	
Cure Time	100-200°F (4-16 hours)	

Cured Elastomer Properties

Property	Value
Hardness, D-2240	Shore D 55-65
Heat Aging	7 days at 185°F, no change
Humidity Resistance	7 days 100% RH @ 200°F, no change
Shrinkage on Cure	0.5% cured at RT 1% cured @ 167°F
Index of Refraction	1.475
Total Integrated Transmission	90%
UV Cutoff	360nm

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

Revised 08/2020

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