



CROSSLINK TECHNOLOGY INC.
FORMULATED EPOXIES, URETHANES - CUSTOM CAST PARTS



THREE COMPONENT VARIABLE HARDNESS POLYURETHANE

CLV 1V-019-A/B/C

1. **Low Viscosity:**
 - No melting or warming of the raw materials.
 - Very easy to mix and de-gas at room temperature.
 - Convenient to pour through small mold openings.

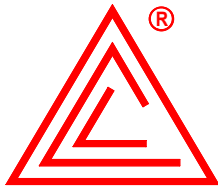
2. **Low energy cost:**
 - No more melting or warming of the raw materials.
 - Variable post-cure temperatures.
 - Short Post cure time (4 Hours @ 200°F.)

3. **Higher productivity:**
 - Fast De-mold time. (10 minutes @ 200°F.)

4. **Tremendous Flexibility:**
 - 10 to 90 Shore A Hardness with the same three raw materials.

5. **Health & Safety:**
 - MDI based Polyether system (no detectable fumes)

6. **Low Inventory level:**
 - Only 3 Pails to make any Hardness in ShoreA range.



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(Hardness: 10 to 90 ShoreA)

This, 3 component, variable mix ratio polyurethane system was developed to provide processors with a convenient and less labor intensive method of achieving a range of cured hardness properties simply by combining the same urethane components in various predetermined ratio. This urethane system eliminates the necessity of stocking and loading different products and additives to processing equipment every time a change in cured hardness is required. All urethane components are; low in viscosity and do not require heating or melting to obtain suitable processing conditions. Unlike Hot-cast type urethanes, there is no need to formulate and/or compound different products to change the cured hardness. This is a MDI based user-friendly low viscosity polyether system.

Although the system is designed for hand mixing (hand batching) processes, it is highly suitable and more efficient in applications employing automated dispense equipment. We found that the unique polyurethane dispense equipment, the "Hand pour Machine", manufactured by State Mix Company and a fully automated meter mix machine developed by Trico Poly Systems LLC. is very suitable for this purpose*.

This system is formulated for faster de-molding at elevated mold temperatures, resulting in significant improvements in over all productivity.

* Crosslink Technology Inc is not associated with or specifically recommends any specific equipment suppliers.

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