

## Resinlab® CYNERGY CA6001 Adhesive

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

### Material Notes:

Description: The CYNERGY 6000 SERIES are for use in demanding applications where very fast cure speeds are required. These are single component solvent free materials manufactured in a wide variety of viscosities and setting times to satisfy specific bonding applications. Substrates such a wood, plastics, metal, rubber, or other materials are bonded quickly and effectively with the Cynergy 6000 series. These products are less dependent on surface moisture for achieving cure speed than most standard grades of cyanoacrylates. Application: The CYNERGY SERIES of the cyanoacrylates should be applied in small amounts to one surface only. The parts should then be mated together under slight pressure. This causes the adhesive to spread out into a thin film and assures optimum adhesive performance. The pressure need only be applied for several seconds. The CYNERGY SERIES cures rapidly allowing for bonded parts to be handled within 10 to 60 seconds for most applications. Full cure is normally within 8 - 24 hours. Information Provided by Resinlab L.L.C., an Ellsworth Adhesives Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resinlab-CYNERGY-CA6001-Adhesive.php](http://www.lookpolymers.com/polymer_Resinlab-CYNERGY-CA6001-Adhesive.php)

| Physical Properties | Metric    | English   | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity    | 1.05 g/cc | 1.05 g/cc |          |
| Viscosity           | 5.0 cP    | 5.0 cP    |          |

| Mechanical Properties   | Metric   | English  | Comments        |
|-------------------------|----------|----------|-----------------|
| Tensile Strength, Yield | 18.6 MPa | 2700 psi |                 |
| Adhesive Bond Strength  | 29.6 MPa | 4300 psi | Steel lap shear |

| Thermal Properties               | Metric   | English  | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 93.3 °C  | 200 °F   |          |
| Minimum Service Temperature, Air | -51.1 °C | -60.0 °F |          |

| Processing Properties | Metric        | English         | Comments  |
|-----------------------|---------------|-----------------|-----------|
| Cure Time             | >= 0.0833 min | >= 0.00139 hour | Fixture   |
|                       | 480 min       | 8.00 hour       | Full cure |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Base                   | Ethyl |          |
| Color                  | Clear |          |
| Gap Fill (mil)         | 2     |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

**Contact Songhan Plastic Technology Co.,Ltd.**

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