

## Tra-Con Tra-Bond 216C03 Flexible Plastic Bonder

Category : Polymer , Adhesive , Thermoset

### Material Notes:

TRA-BOND 216C03 is a flexible thixotropic bonding adhesive designed for bonding all types of plastics including nylon, PVC, polyethylene, acrylic, lexan, polypropylene, kapton or almost any thermoplastic substrate. TRA-BOND 21C03 is low viscosity and easy to apply. It has an easy 1:1 mix ratio and can be cured at room temperature. This high technology system was formulated for applications in the automotive, medical, aerospace, photonic and assembly industries and can be used anywhere that requires excellent chemical fastening to plastic parts. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-216C03-Flexible-Plastic-Bonder.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-216C03-Flexible-Plastic-Bonder.php)

| Physical Properties | Metric    | English   | Comments              |
|---------------------|-----------|-----------|-----------------------|
| Specific Gravity    | 1.02 g/cc | 1.02 g/cc | Cured                 |
| Viscosity           | 16000 cP  | 16000 cP  | Mixed (lv #4, 12 rpm) |

| Mechanical Properties  | Metric   | English  | Comments                               |
|------------------------|----------|----------|--|
| Hardness, Shore A      | 90       | 90       | 1 hr @ 65°C                            |
|                        | 90       | 90       | 24 hrs @ 25°C                          |
| Adhesive Bond Strength | 7.24 MPa | 1050 psi | Lap shear, alum to alum, 24 hrs @ 25°C |
|                        | 10.3 MPa | 1500 psi | Lap shear, alum to alum, 1 hr @ 65°C   |

| Thermal Properties        | Metric  | English | Comments    |
|---------------------------|---------|---------|-------------|
| Glass Transition Temp, Tg | 18.0 °C | 64.4 °F | Ultimate Tg |

| Processing Properties | Metric               | English              | Comments |
|-----------------------|----------------------|----------------------|----------|
| Cure Time             | 60.0 min             | 1.00 hour            |          |
|                       | @Temperature 65.0 °C | @Temperature 149 °F  |          |
|                       | 1440 min             | 24.0 hour            |          |
|                       | @Temperature 25.0 °C | @Temperature 77.0 °F |          |

| Descriptive Properties     | Value | Comments       |
|----------------------------|-------|----------------|
| Color                      | Amber | Cured          |
| Mix Ratio, parts by weight | 1/1   | Resin/Hardener |

## Contact Songhan Plastic Technology Co.,Ltd.

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