

# Parker Chomerics Tecknit TeckBond™ -NC Nickel Coated Graphite-Filled Adhesive

Category : Polymer , Adhesive

## Material Notes:

Description: TECKBOND-NC is a silicone rubber base filled with nickel coated graphite particles to produce a highly conductive one-component adhesive sealant. The system is an RTV moisture-cured compound which is ready to use without additional preparation or mixing. The compound cures at room temperature to form a flexible resilient conductive bond or sealant. Application Information: TECKBOND conductive adhesive-sealants are recommended wherever a flexible bond is required in a metal-to-silicone gasket application, such as TECKNIT NC-CONSIL®. Information provided by Chomerics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Parker-Chomerics-Tecknit-TeckBond-NC-Nickel-Coated-Graphite-Filled-Adhesive.php](http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-TeckBond-NC-Nickel-Coated-Graphite-Filled-Adhesive.php)

| Mechanical Properties | Metric        | English     | Comments                             |
|-----------------------|---------------|-------------|--------------------------------------|
| Shear Strength        | >= 0.689 MPa  | >= 99.9 psi | Cured; ASTM D1002                    |
| Peel Strength         | >= 0.526 kN/m | >= 3.00 pli | Silicone Aluminum; Cured; ASTM D1876 |

| Thermal Properties               | Metric   | English  | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 200 °C   | 392 °F   | Cured    |
| Minimum Service Temperature, Air | -55.0 °C | -67.0 °F | Cured    |
| Shrinkage                        | <= 1.0 % | <= 1.0 % | Cured    |

| Electrical Properties | Metric         | English        | Comments       |
|-----------------------|----------------|----------------|----------------|
| Volume Resistivity    | <= 0.50 ohm-cm | <= 0.50 ohm-cm | Cured; QA-1038 |

| Processing Properties | Metric                            | English                           | Comments                           |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Dry Time              | 1.50 hour                         | 1.50 hour                         | Tack Free                          |
| Cure Time             | 4320 min<br>@Temperature 25.0 °C  | 72.0 hour<br>@Temperature 77.0 °F | 50%; Recommended for 1/8" dia bead |
|                       | 10100 min<br>@Temperature 25.0 °C | 168 hour<br>@Temperature 77.0 °F  | 50%; Full Cure                     |
| Shelf Life            | 9.00 Month                        | 9.00 Month                        | Unopened Container                 |

| Descriptive Properties | Value     | Comments |
|------------------------|-----------|----------|
| Color                  | Dark Gray |          |

| Descriptive Properties | Value                  | Paste | Comments |
|------------------------|------------------------|-------|----------|
| Filler                 | Nickel coated graphite |       |          |
| Final Condition        | Flexible               |       |          |
| Number of Components   | One                    |       |          |
| Resin                  | Silicone               |       |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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