

Master Bond EP21TDC-2 Highly Flexible Cryogenic Epoxy Compound

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Master Bond Polymer System EP21TDC-2 is a two component highly flexible epoxy resin compound for high performance bonding, sealing, coating and encapsulation. It is formulated to cure fully at ambient temperature or more quickly at elevated temperatures with a non-critical one to three mix ratio by weight. The cured compound has very high peel strength, greater than 30 pli, and an elongation of over 150%. Serviceable at cryogenic temperatures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-EP21TDC-2-Highly-Flexible-Cryogenic-Epoxy-Compound.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------------|----------------------|----------|
| Viscosity | 70000 - 80000 cP | 70000 - 80000 cP | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 121 °C | 250 °F | |
| Minimum Service Temperature, Air | -269 °C | -453 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------------|----------------------|----------|
| Cure Time | 120 - 180 min | 2.00 - 3.00 hour | |
| | @Temperature 93.3 °C | @Temperature 200 °F | |
| | 4320 min | 72.0 hour | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|----------------------|---------------------|
| Color Code | "A" Clear; "B" Amber | |
| Mix Ratio By Weight | 33/100 | |
| Set-Up Time, minutes | 75-90 | At Room Temperature |

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