

Master Bond UV15DC80 One Component, UV and Heat Curable Epoxy System

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Master Bond UV15DC80 is a special dual cure epoxy based system which offers a primary cure utilizing UV light along with a secondary heat curing mechanism. This system addresses the problem of curing areas on parts that do not allow UV light curing because of "shadowing" issues. Most noteworthy is that the heat cure portion can be initiated at only 80°C rather than at the more common 125°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-UV15DC80-One-Component-UV-and-Heat-Curable-Epoxy-System.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|-----------------|
| Viscosity | 50000 - 70000 cP | 50000 - 70000 cP | uncured coating |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-------------|-------------|----------|
| Hardness, Shore D | >= 70 | >= 70 | |
| Tensile Strength | >= 34.5 MPa | >= 5000 psi | |
| Tensile Modulus | >= 2.41 GPa | >= 350 ksi | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------------------------------------------------|----------------------------------------------------|----------------|
| CTE, linear | 55.0 - 65.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 30.6 - 36.1 $\mu\text{in}/\text{in}\cdot\text{°F}$ | |
| Maximum Service Temperature, Air | 177 °C | 350 °F | |
| Minimum Service Temperature, Air | -51.1 °C | -60.0 °F | |
| Glass Transition Temp, Tg | >= 125 °C | >= 257 °F | with post cure |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Refractive Index | 1.52 | 1.52 | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|----------------------------|----------------------------|----------|
| Volume Resistivity | >= 1.00e+14 ohm-cm | >= 1.00e+14 ohm-cm | |
| Dielectric Constant | 3.49 @Frequency 60.0 Hz | 3.49 @Frequency 60.0 Hz | |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------|------------|---------------------------------|
| Shelf Life | 6.00 Month | 6.00 Month | in original unopened containers |

| Descriptive Properties | Value | Comments |
|------------------------|-------|-------------------------------------------|
| Chemical Resistance | Water | <1% weight gain, 30 month immersion, 75°F |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China