

Dow Corning JCR 6109

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

One-part, translucent, low modulus LED gel encapsulant with a very long working time. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-JCR-6109.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------------|----------------------|----------|
| Specific Gravity | 1.04 g/cc | 1.04 g/cc | |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |
| Viscosity | 3900 cP | 3900 cP | dynamic |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------|---------|----------|
| Penetration P(0), 1/10 mm | 167 | 167 | |

| Optical Properties | Metric | English | Comments |
|--------------------|---------------------|---------------------|----------|
| Refractive Index | 1.414 | 1.414 | |
| | 1.424 | 1.424 | |
| | 1.413 | 1.413 | |
| | @Wavelength 1554 nm | @Wavelength 1554 nm | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|----------|
| Volume Resistivity | 1.80e+15 ohm-cm | 1.80e+15 ohm-cm | |
| Dielectric Constant | 2.8 | 2.8 | |
| | @Frequency 1.00e+6 Hz | @Frequency 1.00e+6 Hz | |
| Dielectric Strength | 18.00 kV/mm | 457.2 kV/in | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------------|---------------------|----------|
| Cure Time | 60.0 min | 1.00 hour | |
| | @Temperature 70.0 °C | @Temperature 158 °F | |
| Shelf Life | 960 min | 16.0 hour | |
| | @Temperature 150 °C | @Temperature 302 °F | |
| Shelf Life | 6.00 Month | 6.00 Month | |

| Processing Properties | Metric | English | Comments |
|------------------------|--------|-------------|----------|
| Descriptive Properties | | Value | Comments |
| Appearance | | translucent | |

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