

## ACC QGel 310 QSI Quantum Silicones High Strength Gel

Category : Polymer , Thermoset , Silicone

### Material Notes:

QGel 310 is a clear, very soft, tough moderately cross-linked silicone polymer. Silicone gels are used to provide protection from vibration and thermal or mechanical shock. Silicone gels also provide excellent moisture protection. Key Features: 24 hour room temperature or heat cure One to one mix ratio Soft but resilient Dispensing equipment not necessary Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ACC-QGel-310-QSI-Quantum-Silicones-High-Strength-Gel.php](http://www.lookpolymers.com/polymer_ACC-QGel-310-QSI-Quantum-Silicones-High-Strength-Gel.php)

| Physical Properties | Metric     | English    | Comments      |
|---------------------|------------|------------|---------------|
| Specific Gravity    | 0.970 g/cc | 0.970 g/cc | "B" component |
|                     | 0.970 g/cc | 0.970 g/cc | "A" component |
| Viscosity           | 1000 cP    | 1000 cP    | "B" component |
|                     | 1000 cP    | 1000 cP    | "A" component |
| Storage Temperature | <= 38.0 °C | <= 100 °F  | 12 months     |

| Mechanical Properties | Metric    | English   | Comments            |
|-----------------------|-----------|-----------|---------------------|
| Penetration           | 5.0 - 9.0 | 5.0 - 9.0 | mm, 30 mins @ 150°C |

| Thermal Properties               | Metric   | English  | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 200 °C   | 392 °F   |          |
| Minimum Service Temperature, Air | -55.0 °C | -67.0 °F |          |

| Electrical Properties | Metric     | English   | Comments |
|-----------------------|------------|-----------|----------|
| Dielectric Strength   | 19.2 kV/mm | 487 kV/in |          |

| Processing Properties | Metric               | English              | Comments |
|-----------------------|----------------------|----------------------|----------|
| Cure Time             | 30.0 min             | 0.500 hour           |          |
|                       | @Temperature 150 °C  | @Temperature 302 °F  |          |
|                       | 60.0 min             | 1.00 hour            |          |
|                       | @Temperature 100 °C  | @Temperature 212 °F  |          |
|                       | 1440 min             | 24.0 hour            |          |
|                       | @Temperature 25.0 °C | @Temperature 77.0 °F |          |

| Processing Properties | Metric   | English  | Comments |
|-----------------------|----------|----------|----------|
| Gel Time              | 45.0 min | 45.0 min |          |

| Descriptive Properties | Value       | Comments      |
|------------------------|-------------|---------------|
| Color                  | Transparent | "A" component |
|                        | Transparent | "B" component |

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