

Shin-Etsu Silicones LIMSâ„† KE2004-20A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-LIMS-KE2004-20AB-Elastomer.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|-------------|----------|
| Specific Gravity | 1.09 g/cc | 1.09 g/cc | |
| Viscosity | 600000 cP | 600000 cP | B |
| | 650000 cP | 650000 cP | A |
| Linear Mold Shrinkage | 0.022 cm/cm | 0.022 in/in | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--|---|----------|
| Hardness, Shore A | 22 | 22 | |
| Tensile Strength | 5.70 MPa | 827 psi | |
| Elongation at Yield | 870 % | 870 % | |
| 100% Modulus | 0.000359 GPa | 0.0520 ksi | |
| Tear Strength | 36.0 kN/m | 205 pli | |
| Compression Set | 15 % | 15 % | |
| | @Temperature 150 Â°C, Time 3600 sec | @Temperature 302 Â°F, Time 1.00 hour | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------------|----------------------|------------|
| Cure Time | 10.0 min | 0.167 hour | Press Cure |
| | @Temperature 120 Â°C | @Temperature 248 Â°F | |
| | 60.0 min | 1.00 hour | Post Cure |
| | @Temperature 150 Â°C | @Temperature 302 Â°F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------|-------------------|
| Appearance | Translucent | |
| Cure Rate | 26 | T10 (302Â°F, ODR) |
| | 38 | T90 (302Â°F, ODR) |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

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