

Vicone High Performance Rubber VicoSil™ C240Q-RD High Performance Silicone Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

Information provided by Vicone

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoSil-C240Q-RD-High-Performance-Silicone-Rubber.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------|
| Density | 1.23 g/cc | 0.0444 lb/in ³ | ASTM D3165 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---|--|-----------------------|
| Hardness, Shore D | 41 | 41 | ASTM D2240 |
| | 29.725 | 29.725 | |
| | @Treatment Temp. 200 °C, Time 252000 sec | @Treatment Temp. 392 °F, Time 70.0 hour | Heat Aging; ASTM D573 |
| Tensile Strength, Yield | 8.10 MPa | 1170 psi | ASTM D412 |
| | 9.60 MPa | 1390 psi | |
| | @Treatment Temp. 200 °C, Time 252000 sec | @Treatment Temp. 392 °F, Time 70.0 hour | Heat Aging; ASTM D573 |
| Elongation at Break | 727.6 % | 727.6 % | ASTM D412 |
| | 553 % | 553 % | |
| | @Treatment Temp. 200 °C, Time 252000 sec | @Treatment Temp. 392 °F, Time 70.0 hour | Heat Aging; ASTM D573 |
| Compressive Modulus | 0.000390 GPa | 0.0566 ksi | |
| | @Strain 5.00 % | @Strain 5.00 % | |
| | 0.000620 GPa | 0.0899 ksi | |
| | @Strain 10.0 % | @Strain 10.0 % | |
| | 0.00131 GPa | 0.190 ksi | |
| | @Strain 20.0 % | @Strain 20.0 % | |
| | 0.00202 GPa | 0.293 ksi | |
| | @Strain 25.0 % | @Strain 25.0 % | |
| | 6.36 % | 6.36 % | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---|---|----------|
| | @ Temperature 175 °C, Time 79200 sec | @ Temperature 347 °F, Time 22.0 hour | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Red | |

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