

Shin-Etsu Elastomer KEG-2000-75A/B

Silicone Rubber, HTV

Shin-Etsu Silicones of America

Message:

Shin-Etsu KEG-2000-75 is a liquid injection molding silicone. It is supplied as two components which are mixed in a 1:1 ratio to ensure easy and accurate blending. The viscosity of KEG-2000-75 is low enough to allow easy pumping through most injection molding systems.

- High tear strength
- Rapid cure time at elevated temperature
- Long pot life at room temperature
- Typical Applications
 - O-Rings - Diaphragms
 - Capping
 - Rubber Rollers
 - Connector packaging
 - Other electrical parts
 - ClassVI certification

| General Information | | |
|--------------------------------|--------------------------------|-------------------|
| Features | Low viscosity | |
| | Workability, good | |
| | Fast curing | |
| | Good tear strength | |
| Uses | Electrical components | |
| | Diaphragm | |
| | Roller | |
| | Shield | |
| | Connector | |
| Agency Ratings | USP Class VI | |
| Processing Method | Liquid Injection Molding (LIM) | |
| Physical | Nominal Value | Unit |
| Specific Gravity | 1.15 | g/cm ³ |
| Hardness | Nominal Value | Unit |
| Durometer Hardness | 78 | |
| Elastomers | Nominal Value | Unit |
| Tensile Stress (100% Strain) | 5.64 | MPa |
| Tensile Strength | 8.90 | MPa |
| Tensile Elongation (Break) | 240 | % |
| Tear Strength ¹ | 7.01 | kN/m |
| Compression Set (180°C, 22 hr) | 8.0 | % |
| Thermoset | Nominal Value | Unit |
| Shelf Life (32°C) | 26 | wk |
| Post Cure Time (200°C) | 4.0 | hr |

| Additional Information | | |
|-------------------------------|---------------|------|
| Press / Post Cure: Press/Post | | |
| Uncured Properties | Nominal Value | Unit |
| Curing Time | 0.083 | hr |
| NOTE | | |
| 1. | B mould | |

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