

SE5569U

Heat Curable Rubber

Product Description

SE5569U is a 55 durometer, silicone elastomer with both self-extinguishing and low temperature performance. It may be considered for use in producing elastomeric seals and molded rubber items used in aviation interiors.

Key Features and Typical Benefits

- Easily pigmentable
- SE5569U heat curable rubber meets the requirements for smoke density and toxicity when tested per the guidelines of BSS7239
- Meets the requirements of BMS 1-72 rev B

Typical Physical Properties

| Properties of the Uncured Compound | SE5569U |
|--------------------------------------|-------------|
| Specific Gravity | 1.22 ± 0.03 |
| Appearance | Off-white |
| Polymer Classification (ASTM D-1418) | PVMQ |

| | | | |
|--|------------------|--|----------------|
| Typical Properties of the Vulcanized Rubber: | | | SE5569U |
| Curing Agent: Perkadox® PD-50S [2,4-Di-ChloroBenzoyl Peroxide] | | | |
| Press Cure: 10 min. at 127 °C (261 °F) | | | |
| Post cure: 2 hrs at 200 °C (392 °F) | | | |
| Curing Agent Level: 1.6 parts/100 parts compound | | | |
| Hardness | ASTM D2240 | Shore A | 55 |
| Tensile Strength | ASTM D 412 | PSI | 1150 |
| Elongation at Break | ASTM D 412 | % | 600 |
| Tear Strength | ASTM D 624 die B | PPI | 195 |
| Tension Set | ASTM D 412 | % | 10 |
| TR-10 | ASTM D 1329 | ° F | -72 |
| Comp. set 70 h at 100 °C (212 °F) | ASTM D 395 | % | 15 |
| Vertical Burn | | Glow time < 15 sec Char length < 4 in | Pass |

Typical properties are average data and are not to be used as or to develop specifications.

Packaging

SE5569U heat curable rubber is currently available in 50 lb cardboard boxes.

Patent Status

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Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information

Email

commercial.services@momentive.com

Telephone

| Americas | Latin America | EMEAI- Europe, Middle East, Africa & India | ASIA PACIFIC |
|-------------------------|----------------------|---|---------------------|
| +1 800 295 2392 | Brazil | Europe | China |
| Toll free* | +55 11 4534 9650 | +390510924300 | 800 820 0202 |
| +704 805 6946 | Direct Number | Direct number | Toll free |
| Direct Number | | | +86 21 3860 4892 |
| | | | Direct number |
| *All American countries | Mexico | India, Middle East & Africa | Japan |
| | +52 55 2169 7670 | + 91 44 71212207 | +81 3 5544 3111 |
| | Direct Number | Direct number* | Direct number |
| | | *All Middle Eastern countries, Africa, India, | Korea |
| | | | +82 2 6201 4600 |

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