

Silplus™ 30 AS

Heat Cured Elastomer

Description

Silplus 30 AS, 30 duro hardness heat cured silicone rubber compound for compression molding processes, offers a good anti-static property to silicone rubber products.

Key Features and Typical Benefits

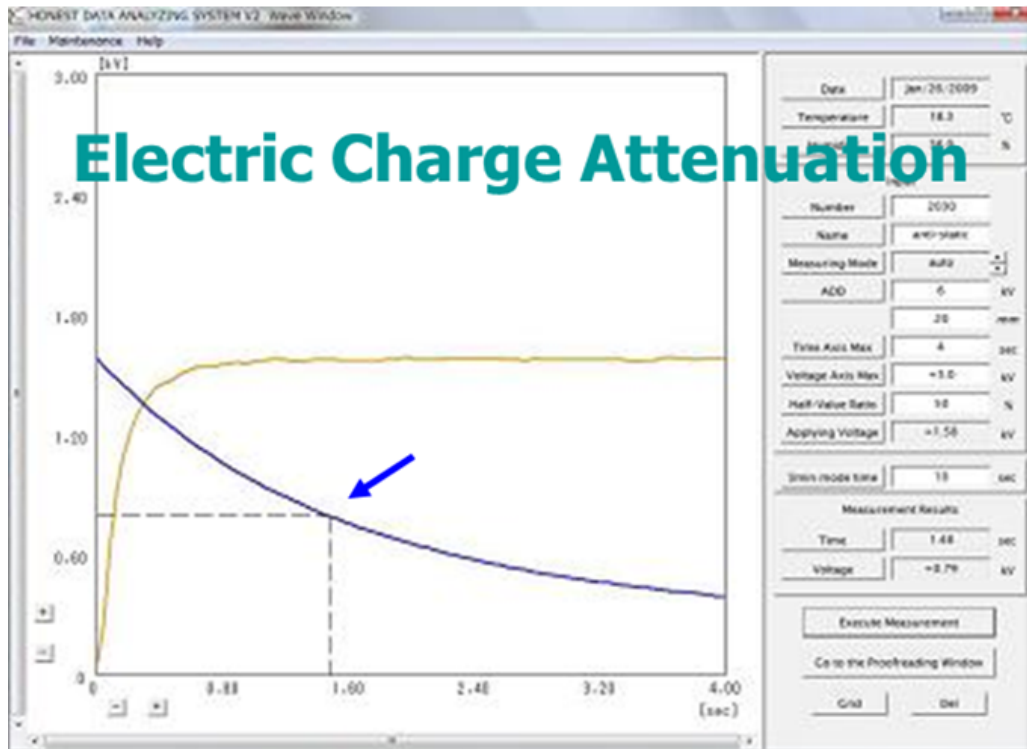
- Good anti-static property
- Colorable translucent appearance
- Excellent mechanical properties and heat resistance
- Excellent processability
- Easy coloring

Typical Physical Properties

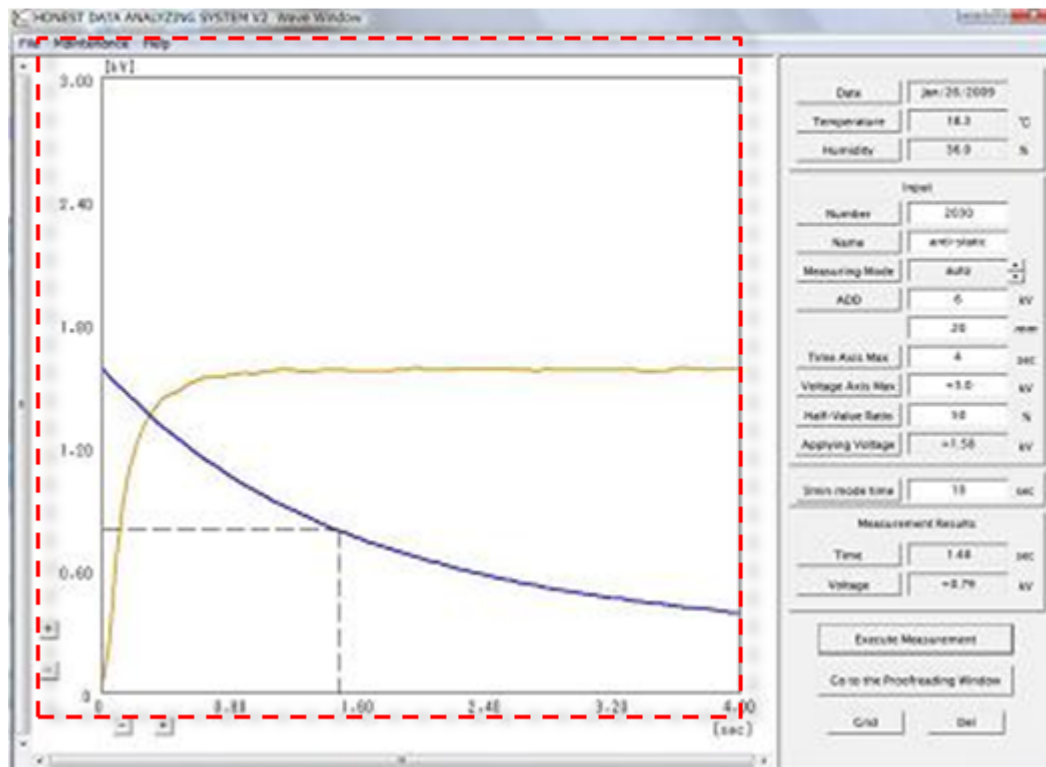
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|---------------------------------------------------------------------------------------------|-------------------|-------------------|
| TYPICAL UNCURED PROPERTIES | | |
| Appearance | | Translucent |
| Williams plasticity | | 150 |
| TYPICAL CURED PROPERTIES (Press cure 10 min @ 170 °C, Post cure 4h @ 200 °C) | | |
| TC-8 curing agent | % | 0.35 |
| MECHANICAL PROPERTIES | | |
| Density (23 °C) | Mg/m ³ | 1.09 |
| Linear shrinkage | % | 4.2 |
| Hardness (Type A) | | 30 |
| Tensile strength | MPa | 8.7 |
| Elongation | % | 760 |
| Tear strength (Angle) | N/mm | 21 |
| ELECTRICAL PROPERTIES | | |
| Volume resistivity | W·cm | $8 \cdot 10^{12}$ |
| Half-life time of voltage decay | sec | 1.2 |
| STATIC HONESTMETER, 23 °C 50% humidity, Applied voltage: 6kV | | |
| Typical properties are average data and are not to be used as or to develop specifications. | | |

Potential Applications

- Mobile jacket, keypad cover, keypad watch
- Consumer goods, novelty, accessory
- Industry roller, rubber sheet
- Automobile parts



Half-life period of voltage decay



Availability

The material is commercially available in a 20kg box.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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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