

## 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

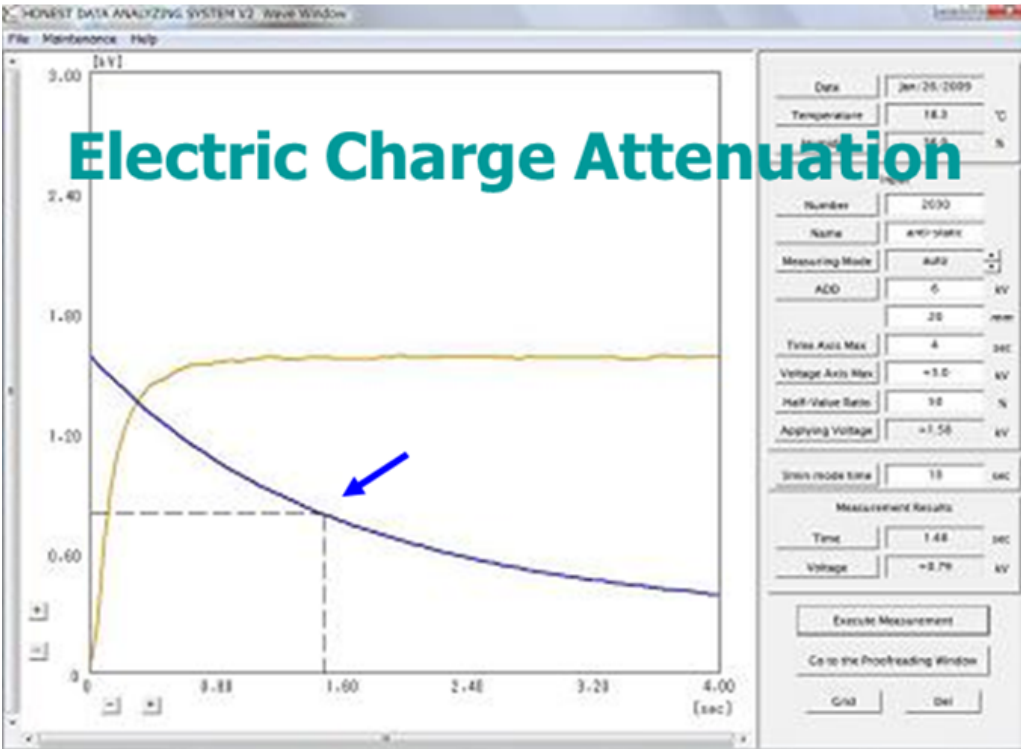
### Typical Physical Properties

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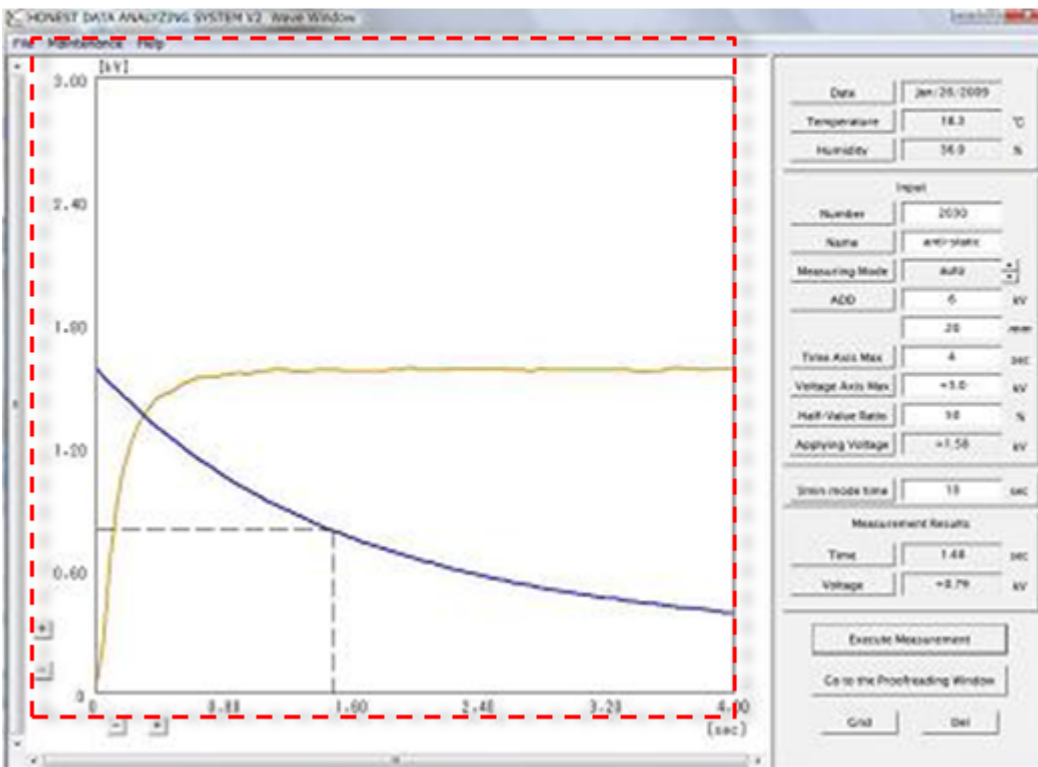
| <b>TYPICAL UNCURED PROPERTIES</b>   |                   |                    |
|---|-------------------|--------------------|
| Appearance  |                   | Translucent        |
| Williams plasticity   |                   | 150                |
| <b>TYPICAL CURED PROPERTIES</b> (Press cure 10 min @ 170 °C, Post cure 4h @ 200 °C)         |                   |                    |
| TC-8 curing agent   | %                 | 0.35               |
| <b>MECHANICAL PROPERTIES</b>  |                   |                    |
| Density (23 °C)   | Mg/m <sup>3</sup> | 1.09               |
| Linear shrinkage  | %                 | 4.2                |
| Hardness (Type A)   |                   | 30                 |
| Tensile strength  | MPa               | 8.7                |
| Elongation  | %                 | 760                |
| Tear strength (Angle)   | N/mm              | 21                 |
| <b>ELECTRICAL PROPERTIES</b>  |                   |                    |
| Volume resistivity  | W·cm              | 8·10 <sup>12</sup> |
| 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**

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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](http://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.

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