

# POWERSIL® 567

Silicone

Wacker Chemie AG

## Message:

Silicone Rubber, RTV-1

Insulators & Arresters, Electrical Industry

Insulators & Arresters, Energy & Electrical Engineering

| General Information         |                               |                   |                 |
|-----------------------------|-------------------------------|-------------------|-----------------|
| Features                    | Electrically Insulating       |                   |                 |
| Uses                        | Extra High Voltage Insulation |                   |                 |
|                             | High Voltage Insulation       |                   |                 |
|                             | Insulation                    |                   |                 |
|                             | Low Voltage Insulation        |                   |                 |
|                             | Medium Voltage Insulation     |                   |                 |
| Processing Method           | Coating                       |                   |                 |
| Uncured Properties          | Nominal Value                 | Unit              | Test Method     |
| Color                       | Grey                          |                   |                 |
| Density                     |                               |                   |                 |
| --                          | 0.810                         | g/cm <sup>3</sup> | ISO 1183        |
| --                          | 1.10                          | g/cm <sup>3</sup> | ISO 2781        |
| Viscosity                   | 5.0                           | Pa · s            | DIN EN ISO 3219 |
| Cured Properties            | Nominal Value                 | Unit              | Test Method     |
| Shore Hardness (Shore A)    | 45                            |                   | ISO 868         |
| Tensile Strength            | 3.00                          | MPa               | ISO 37          |
| Tensile Elongation at Break | 250                           | %                 | ISO 37          |
| Tear Strength               | 9.00                          | kN/m              | ASTM D624B      |
| Arc Resistance              | 420                           | sec               | IEC 61621       |
| Electric Strength           | > 28                          | kV/mm             | IEC 60243       |
| Relative Permittivity       | 2.90                          |                   | IEC 60250       |
| Volume Resistivity          | > 5.0E+15                     | ohms · cm         | IEC 60093       |
| Dissipation Factor (50 Hz)  | < 1.0E-3                      |                   | IEC 60250       |
| Tracking Resistance         | 1A 4.5                        |                   | IEC 60587       |

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