

Bergamid™ AB700 UF SO

PA666

Avient Corporation

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 4000 | MPa | ISO 527 |
| Stress at break | 75 | MPa | ISO 527 |
| Strain at break | 5.5 | % | ISO 527 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 64 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 3 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 2.4 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 80 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 190 | °C | ISO 75-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Dissipation factor, 1MHz | 300 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E10 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E10 | Ohm | IEC 62631-3-2 |
| Electric strength | 45 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 600 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1200 | kg/m ³ | ISO 1183 |

Characteristics**Delivery form**

Pellets

Features

Copolymer

Special Characteristics

Flame retardant, Halogen-free, Heat stabilized or stable to heat

Regional Availability

Europe, Asia Pacific, Near East/Africa