

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|-------------------------------------|------------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 50 / * | cm ³ /10min | ISO 1133 |
| Temperature | 275 / * | °C | - |
| Load | 5 / * | kg | - |
| Molding shrinkage, parallel | 0.4 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.2 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 5500 / - | MPa | ISO 527 |
| Tensile Strength | 120 / - | MPa | ISO 527 |
| Strain at break | 4 / - | % | ISO 527 |
| Flexural modulus, 23°C | 5000 / - | MPa | ISO 178 |
| Charpy impact strength, +23°C | 40 / - | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 5.5 / - | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 6 / - | kJ/m ² | ISO 180/1A |
| Ball indentation hardness | 185 / - | MPa | ISO 2039-1 |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 221 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 190 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 210 / * | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 30 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 130 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 3.2 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|-----------------------------|-------------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.7 / 4.7 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 160 / 1300 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E13 / 1E10 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E11 | Ohm | IEC 62631-3-2 |
| Electric strength | 31 / 27 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 525 / 525 | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|---------------------|------------|-------------------|----------------|
| Water absorption | 8.3 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2.7 / * | % | Sim. to ISO 62 |
| Density | 1220 / - | kg/m ³ | ISO 1183 |

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black, Natural Color

Applications

Automotive, Building Construction, Electrical and Electronical

Regional Availability

Europe