

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 14 | cm ³ /10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Melt flow index, MFI | 14 | g/10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Thermal conductivity of melt | 0.23 | W/(m K) | - |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 7000 | MPa | ISO 527 |
| Tensile Strength | 90 | MPa | ISO 527 |
| Flexural modulus, 23°C | 6000 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 18 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 6 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 96 | °C | ISO 75-1/-2 |
| Vicat softening temperature, A | 100 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 40 | E-6/K | ISO 11359-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|---------|------|---------------|
| ISO Data | | | |
| Surface resistivity | 1000000 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1090 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 70 - 95 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Melt temperature | 230 - 260 | °C | - |
| Mold temperature | 40 - 80 | °C | - |
| Zone 1 | 220 - 250 | °C | - |
| Zone 2 | 220 - 250 | °C | - |
| Zone 3 | 230 - 260 | °C | - |
| Nozzle temperature | 220 - 250 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Black

Special Characteristics

Increased electrical conductivity

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific