

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 22 | g/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2400 | MPa | ISO 527 |
| Yield stress | 60 | MPa | ISO 527 |
| Yield strain | 6 | % | ISO 527 |
| Stress at break | 58 | MPa | ISO 527 |
| Strain at break | >50 | % | ISO 527 |
| Flexural modulus, 23°C | 2350 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 20 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 60 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R118 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 123 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 143 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 70 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Burning behav. 5V at thickness h | 5VA | class | IEC 60695-11-20 |
| Thickness tested | 3.0 | mm | - |
| Oxygen index | 40 | % | ISO 4589-1/-2 |

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

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 260 - 300 | °C | - |
| Mold temperature | 70 - 100 | °C | - |

Characteristics

Processing

Injection Molding

Additives

Release agent

Special Characteristics

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

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

Europe, Near East/Africa