

| Processing/Physical Characteristics | Value | Unit    | Test Standard   |
|-------------------------------------|-------|---------|-----------------|
| <b>ISO Data</b>                     |       |         |                 |
| Melt flow index, MFI                | 8     | g/10min | ISO 1133        |
| Temperature                         | 220   | °C      | -               |
| Load                                | 10    | kg      | -               |
| Molding shrinkage, parallel         | 0.6   | %       | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 2500  | MPa               | ISO 527       |
| Yield stress                          | 44    | MPa               | ISO 527       |
| Yield strain                          | 2.4   | %                 | ISO 527       |
| Strain at break                       | 15    | %                 | ISO 527       |
| Flexural modulus, 23°C                | 2400  | MPa               | ISO 178       |
| Flexural strength                     | 70    | MPa               | ISO 178       |
| Charpy impact strength, +23°C         | 160   | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy impact strength, -30°C         | 90    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 18    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Charpy notched impact strength, -30°C | 10    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Izod notched impact strength, +23°C   | 19    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Izod notched impact strength          | 10    | kJ/m <sup>2</sup> | ISO 180/1A    |
| Temperature                           | -30   | °C                | -             |
| Ball indentation hardness             | 110   | MPa               | ISO 2039-1    |

| Thermal properties                          | Value                 | Unit  | Test Standard   |
|---|-----------------------|-------|-----------------|
| <b>ISO Data</b>                             |                       |       |                 |
| Temp. of deflection under load, 1.80 MPa    | 97 <sup>[ann.]</sup>  | °C    | ISO 75-1/-2     |
| Temp. of deflection under load, 0.45 MPa    | 101 <sup>[ann.]</sup> | °C    | ISO 75-1/-2     |
| Vicat softening temperature, B              | 101                   | °C    | ISO 306         |
| Coeff. of linear therm. expansion, parallel | 90                    | E-6/K | ISO 11359-1/-2  |
| Burning behav. at 1.5 mm nom. thickn.       | HB                    | class | IEC 60695-11-10 |
| Thickness tested                            | 1.5                   | mm    | -               |

ann.: annealed

| Electrical properties        | Value | Unit  | Test Standard |
|------------------------------|-------|-------|---------------|
| <b>ISO Data</b>              |       |       |               |
| Relative permittivity, 100Hz | 3     | -     | IEC 62631-2-1 |
| Relative permittivity, 1MHz  | 2.9   | -     | IEC 62631-2-1 |
| Dissipation factor, 100Hz    | 50    | E-4   | IEC 62631-2-1 |
| Dissipation factor, 1MHz     | 80    | E-4   | IEC 62631-2-1 |
| Volume resistivity           | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity          | >1E15 | Ohm   | IEC 62631-3-2 |
| Electric strength            | 37    | kV/mm | IEC 60243-1   |
| Comparative tracking index   | 600   | -     | IEC 60112     |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1040  | kg/m <sup>3</sup> | ISO 1183      |
| Bulk density     | 600   | kg/m <sup>3</sup> | -             |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature            | 80        | °C   | -             |
| Melt temperature                    | 210 - 260 | °C   | -             |

## Characteristics

**Processing**

Other Extrusion

**Delivery form**

Pellets

**Features**

High Gloss

**Regional Availability**

Europe, Asia Pacific, South and Central America, Near East/Africa