

| Processing/Physical Characteristics | Value | Unit                   | Test Standard |
|-------------------------------------|-------|------------------------|---------------|
| <b>ISO Data</b>                     |       |                        |               |
| Melt volume-flow rate, MVR          | 18    | cm <sup>3</sup> /10min | ISO 1133      |
| Melt flow index, MFI                | 19    | g/10min                | ISO 1133      |
| <b>ASTM Data</b>                    |       |                        |               |
| Mold Shrinkage, MD                  | 0.006 | mm/mm                  | ASTM D 955    |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Yield stress                          | 65    | MPa               | ISO 527       |
| Strain at break                       | 95    | %                 | ISO 527       |
| Flexural modulus, 23°C                | 2300  | MPa               | ISO 178       |
| Flexural strength                     | 90    | MPa               | ISO 178       |
| Charpy notched impact strength, +23°C | 70    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Rockwell hardness                     | R 120 | -                 | ISO 2039-2    |

| Thermal properties                          | Value | Unit  | Test Standard   |
|---|-------|-------|-----------------|
| <b>ISO Data</b>                             |       |       |                 |
| Temp. of deflection under load, 1.80 MPa    | 125   | °C    | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel | 65    | E-6/K | ISO 11359-1/-2  |
| Burning behav. at 1.5 mm nom. thickn.       | V-2   | class | IEC 60695-11-10 |
| Thickness tested                            | 1.5   | mm    | -               |
| Yellow Card available                       | yes   | -     | -               |
| Burning behav. at thickness h               | V-2   | class | IEC 60695-11-10 |
| Thickness tested                            | 0.4   | mm    | -               |
| Yellow Card available                       | yes   | -     | -               |

| Electrical properties               | Value | Unit   | Test Standard |
|-------------------------------------|-------|--------|---------------|
| <b>ISO Data</b>                     |       |        |               |
| Electric strength                   | 30    | kV/mm  | IEC 60243-1   |
| <b>ASTM Data</b>                    |       |        |               |
| Volume Resistivity                  | 1E16  | Ohm*cm | ASTM D 257    |
| <b>Other Standards<sup>S1</sup></b> |       |        |               |
| Relative permittivity, 1MHz         | 2.85  | -      | IEC 60250     |
| Dissipation factor, 1MHz            | 92    | E-4    | IEC 60250     |
| Comparative tracking index          | 325   | -      | UL 746A       |

S: These properties are reported by the producer according standards that are different to our defaults.

| Optical properties     | Value             | Unit | Test Standard   |
|------------------------|-------------------|------|-----------------|
| <b>ISO Data</b>        |                   |      |                 |
| Luminous transmittance | 87 <sup>(1)</sup> | %    | ISO 13468-1, -2 |
| 1: 3 mm                |                   |      |                 |

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

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120       | °C   | -             |
| Pre-drying - Time                           | 5 - 8     | h    | -             |
| Melt temperature                            | 260 - 300 | °C   | -             |
| Mold temperature                            | 80 - 120  | °C   | -             |

## Characteristics

**Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

**Additives**

Release agent

**Regional Availability**

North America, Europe, Asia Pacific