

| Processing/Physical Characteristics         | dry / cond  | Unit              | Test Standard   |
|---|-------------|-------------------|-----------------|
| <b>ISO Data</b>                             |             |                   |                 |
| Molding shrinkage, parallel                 | 0.8 / *     | %                 | ISO 294-4, 2577 |
| Molding shrinkage, normal                   | 1.2 / *     | %                 | ISO 294-4, 2577 |
| <b>Mechanical properties</b>                |             |                   |                 |
| <b>ISO Data</b>                             |             |                   |                 |
| Tensile Modulus                             | 2400 / 1000 | MPa               | ISO 527         |
| Yield stress                                | 65 / 40     | MPa               | ISO 527         |
| Yield strain                                | 4.5 / 25    | %                 | ISO 527         |
| Strain at break                             | >50 / >50   | %                 | ISO 527         |
| Flexural modulus, 23°C                      | 1900 / -    | MPa               | ISO 178         |
| Charpy impact strength, +23°C               | N / N       | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Charpy notched impact strength, +23°C       | 13 / 30     | kJ/m <sup>2</sup> | ISO 179/1eA     |
| <b>Thermal properties</b>                   |             |                   |                 |
| <b>ISO Data</b>                             |             |                   |                 |
| Melting temperature, 10°C/min               | 223 / *     | °C                | ISO 11357-1/-3  |
| Temp. of deflection under load, 1.80 MPa    | 50 / *      | °C                | ISO 75-1/-2     |
| Temp. of deflection under load, 0.45 MPa    | 130 / *     | °C                | ISO 75-1/-2     |
| Vicat softening temperature, B              | 170 / *     | °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                | -               |
| Burning behav. at thickness h               | HB / *      | class             | IEC 60695-11-10 |
| Thickness tested                            | 3.0 / *     | mm                | -               |
| <b>Electrical properties</b>                |             |                   |                 |
| <b>ISO Data</b>                             |             |                   |                 |
| Relative permittivity, 1MHz                 | 3.5 / 6     | -                 | IEC 62631-2-1   |
| Dissipation factor, 1MHz                    | 240 / 2500  | E-4               | IEC 62631-2-1   |
| Volume resistivity                          | 1E13 / 1E10 | Ohm*m             | IEC 62631-3-1   |
| Surface resistivity                         | * / 1E13    | Ohm               | IEC 62631-3-2   |
| Electric strength                           | 32 / 35     | kV/mm             | IEC 60243-1     |
| Comparative tracking index                  | 600 / -     | -                 | IEC 60112       |
| <b>Other properties</b>                     |             |                   |                 |
| Humidity absorption                         | 2.5 / *     | %                 | Sim. to ISO 62  |
| Density                                     | 1100 / -    | kg/m <sup>3</sup> | ISO 1183        |

## Characteristics

### Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

### Regional Availability

Europe