

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard   |
|-------------------------------------|------------|------|-----------------|
| <b>ISO Data</b>                     |            |      |                 |
| Molding shrinkage, parallel         | 0.4 / *    | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 1.0 / *    | %    | ISO 294-4, 2577 |

| Mechanical properties                 | dry / cond  | Unit              | Test Standard |
|---------------------------------------|-------------|-------------------|---------------|
| <b>ISO Data</b>                       |             |                   |               |
| Tensile Modulus                       | 6500 / 4800 | MPa               | ISO 527       |
| Stress at break                       | 110 / 80    | MPa               | ISO 527       |
| Strain at break                       | 6 / 12      | %                 | ISO 527       |
| Charpy impact strength, +23°C         | 75 / 80     | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy impact strength, -30°C         | 70 / -      | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 8 / 13      | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Charpy notched impact strength, -30°C | 5 / -       | kJ/m <sup>2</sup> | ISO 179/1eA   |

| Thermal properties                       | dry / cond | Unit  | Test Standard   |
|--|------------|-------|-----------------|
| <b>ISO Data</b>                          |            |       |                 |
| Melting temperature, 10°C/min            | 260 / *    | °C    | ISO 11357-1/-3  |
| Temp. of deflection under load, 1.80 MPa | 220 / *    | °C    | ISO 75-1/-2     |
| Burning behav. at 1.5 mm nom. thickn.    | V-0 / *    | class | IEC 60695-11-10 |
| Thickness tested                         | 1.5 / *    | mm    | -               |

| Other properties    | dry / cond | Unit              | Test Standard  |
|---------------------|------------|-------------------|----------------|
| Water absorption    | 6 / *      | %                 | Sim. to ISO 62 |
| Humidity absorption | 1.4 / *    | %                 | Sim. to ISO 62 |
| Density             | 1330 / -   | kg/m <sup>3</sup> | ISO 1183       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 2 - 4     | h    | -             |
| Processing humidity                         | ≤0.1      | %    | -             |
| Melt temperature                            | 290 - 300 | °C   | -             |
| Mold temperature                            | 80        | °C   | -             |

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Recycled Resin Content

**Delivery form**

Pellets, Black

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant

**Regional Availability**

Europe