

| Processing/Physical Characteristics | Value | Unit    | Test Standard   |
|-------------------------------------|-------|---------|-----------------|
| <b>ISO Data</b>                     |       |         |                 |
| Melt flow index, MFI                | 80    | g/10min | ISO 1133        |
| Temperature                         | 320   | °C      | -               |
| Load                                | 2.16  | kg      | -               |
| Molding shrinkage, parallel         | 0.4   | %       | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 0.9   | %       | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 8900  | MPa               | ISO 527       |
| Stress at break                       | 150   | MPa               | ISO 527       |
| Strain at break                       | 4     | %                 | ISO 527       |
| Flexural modulus, 23°C                | 8200  | MPa               | ISO 178       |
| Flexural strength                     | 180   | MPa               | ISO 178       |
| Charpy notched impact strength, +23°C | 17    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Izod impact strength, +23°C           | 100   | kJ/m <sup>2</sup> | ISO 180/1U    |
| Izod notched impact strength, +23°C   | 18    | kJ/m <sup>2</sup> | ISO 180/1A    |

| Thermal properties                          | Value | Unit   | Test Standard        |
|---|-------|--------|----------------------|
| <b>ISO Data</b>                             |       |        |                      |
| Melting temperature, 10°C/min               | 304   | °C     | ISO 11357-1/-3       |
| Glass transition temperature, 10°C/min      | 125   | °C     | ISO 11357-1/-2       |
| Temp. of deflection under load, 1.80 MPa    | 270   | °C     | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa    | 295   | °C     | ISO 75-1/-2          |
| Coeff. of linear therm. expansion, parallel | 30    | E-6/K  | ISO 11359-1/-2       |
| Coeff. of linear therm. expansion, normal   | 50    | E-6/K  | ISO 11359-1/-2       |
| Burning behav. at thickness h               | HB    | class  | IEC 60695-11-10      |
| Burning rate, FMVSS, Thickness 1 mm         | 100   | mm/min | ISO 3795 (FMVSS 302) |
| Glow Wire Flammability Index (GWFI)         | 750   | °C     | IEC 60695-2-12       |
| GWFI - thickness tested (1)                 | 2     | mm     | -                    |

| Electrical properties | Value | Unit  | Test Standard |
|-----------------------|-------|-------|---------------|
| <b>ISO Data</b>       |       |       |               |
| Volume resistivity    | 1E13  | Ohm*m | IEC 62631-3-1 |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1340  | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120       | °C   | -             |
| Pre-drying - Time                           | 4 - 8     | h    | -             |
| Processing humidity                         | ≤0.1      | %    | -             |
| Melt temperature                            | 315 - 335 | °C   | -             |
| Mold temperature                            | 135 - 145 | °C   | -             |

## Characteristics

### Processing

Injection Molding

### Regional Availability

Europe

### Special Characteristics

High impact or impact modified