

| Processing/Physical Characteristics  | Value | Unit                   | Test Standard   |
|--------------------------------------|-------|------------------------|-----------------|
| <b>ISO Data</b>                      |       |                        |                 |
| Melt volume-flow rate, MVR           | 11.4  | cm <sup>3</sup> /10min | ISO 1133        |
| Temperature                          | 300   | °C                     | -               |
| Load                                 | 1.2   | kg                     | -               |
| <b>Other Standards<sup>[S]</sup></b> |       |                        |                 |
| Molding shrinkage, parallel          | 0.7   | %                      | Producer Method |
| Molding shrinkage, normal            | 0.7   | %                      | Producer Method |

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

| Mechanical properties                | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| <b>ASTM Data</b>                     |       |      |               |
| Tensile Modulus                      | 2470  | MPa  | ASTM D 638    |
| Tensile Strength at Yield            | 69.6  | MPa  | ASTM D 638    |
| Tensile Strength at Break            | 56.9  | MPa  | ASTM D 638    |
| Elongation at Yield                  | 6.7   | %    | ASTM D 638    |
| Elongation at Break                  | 57.5  | %    | ASTM D 638    |
| Flexural Modulus                     | 2400  | MPa  | ASTM D 790    |
| Flexural Strength                    | 103   | MPa  | ASTM D 790    |
| Izod Impact notched, 1/8 in          | 49.3  | J/m  | ASTM D 256    |
| Izod Impact notched, Low-Temperature | 47.9  | J/m  | ASTM D 256    |
| Temperature                          | 0     | °C   | -             |
| Izod Impact unnotched, 1/8 in        | N     | J/m  | ASTM D 256    |

| Thermal properties                   | Value | Unit  | Test Standard |
|--------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                     |       |       |               |
| Coefficient of Thermal Expansion, MD | 65    | E-6/K | ASTM D 696    |
| Coefficient of Thermal Expansion, TD | 65    | E-6/K | ASTM D 696    |
| DTUL @ 66 psi                        | 130   | °C    | ASTM D 648    |
| DTUL @ 264 psi                       | 117   | °C    | ASTM D 648    |

| Optical properties  | Value              | Unit | Test Standard |
|---------------------|--------------------|------|---------------|
| <b>ASTM Data</b>    |                    |      |               |
| Gloss               | 105 <sup>[1]</sup> | -    | ASTM D 2457   |
| Haze                | 0.6                | %    | ASTM D 1003   |
| Light Transmittance | 91                 | %    | ASTM D 1003   |

1: 20°

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1200  | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 110 - 120 | °C   | -             |
| Pre-drying - Time                           | 4 - 6     | h    | -             |
| Melt temperature                            | 270 - 290 | °C   | -             |
| Mold temperature                            | 80 - 100  | °C   | -             |
| Zone 1                                      | 250 - 270 | °C   | -             |
| Zone 2                                      | 260 - 280 | °C   | -             |
| Zone 3                                      | 270 - 290 | °C   | -             |

## Characteristics

### Processing

Injection Molding, Sheet Extrusion

### Applications

Automotive, Electrical and Electronical

**Special Characteristics**

U.V. stabilized or stable to weather, Transparent, Opaque, Translucent

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America

**Features**

High Gloss, Scratch Resistant, Copolymer