

| Processing/Physical Characteristics      | Value | Unit              | Test Standard   |
|--|-------|-------------------|-----------------|
| <b>ISO Data</b>                          |       |                   |                 |
| Melt flow index, MFI                     | 6     | g/10min           | ISO 1133        |
| Temperature                              | 300   | °C                | -               |
| Load                                     | 1.2   | kg                | -               |
| Molding shrinkage, parallel              | 0.6   | %                 | ISO 294-4, 2577 |
| <b>ASTM Data</b>                         |       |                   |                 |
| Melt Flow Index, MFI                     | 6     | g/10min           | ASTM D 1238     |
| Temperature                              | 300   | °C                | -               |
| Load                                     | 1.2   | kg                | -               |
| Mold Shrinkage, MD                       | 0.006 | mm/mm             | ASTM D 955      |
| <b>Mechanical properties</b>             |       |                   |                 |
| <b>ISO Data</b>                          |       |                   |                 |
| Tensile Modulus                          | 2300  | MPa               | ISO 527         |
| Yield stress                             | 60    | MPa               | ISO 527         |
| Yield strain                             | 6     | %                 | ISO 527         |
| Stress at break                          | 72    | MPa               | ISO 527         |
| Strain at break                          | >50   | %                 | ISO 527         |
| Flexural modulus, 23°C                   | 2400  | MPa               | ISO 178         |
| Charpy notched impact strength, +23°C    | 55    | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Izod impact strength, +23°C              | N     | kJ/m <sup>2</sup> | ISO 180/1U      |
| Izod notched impact strength, +23°C      | 93    | kJ/m <sup>2</sup> | ISO 180/1A      |
| <b>ASTM Data</b>                         |       |                   |                 |
| Tensile Modulus                          | 2413  | MPa               | ASTM D 638      |
| Tensile Strength at Yield                | 60    | MPa               | ASTM D 638      |
| Tensile Strength at Break                | 72.4  | MPa               | ASTM D 638      |
| Elongation at Yield                      | 6     | %                 | ASTM D 638      |
| Elongation at Break                      | 150   | %                 | ASTM D 638      |
| Flexural Modulus                         | 2413  | MPa               | ASTM D 790      |
| Flexural Strength                        | 96.5  | MPa               | ASTM D 790      |
| Rockwell Hardness                        | R 118 | -                 | ASTM D 785      |
| Izod Impact notched, 1/8 in              | 907   | J/m               | ASTM D 256      |
| Izod Impact unnotched, 1/8 in            | N     | J/m               | ASTM D 256      |
| <b>Thermal properties</b>                |       |                   |                 |
| <b>ISO Data</b>                          |       |                   |                 |
| Temp. of deflection under load, 1.80 MPa | 126   | °C                | ISO 75-1/-2     |
| Vicat softening temperature, B           | 151   | °C                | ISO 306         |
| Burning behav. at 1.5 mm nom. thickn.    | HB    | class             | IEC 60695-11-10 |
| Thickness tested                         | 1.6   | mm                | -               |
| Burning behav. at thickness h            | HB    | class             | IEC 60695-11-10 |
| Thickness tested                         | 3.2   | mm                | -               |
| Oxygen index                             | 26    | %                 | ISO 4589-1/-2   |
| <b>ASTM Data</b>                         |       |                   |                 |
| UL 94 Flame rating                       | HB    | -                 | UL 94           |
| Thickness tested                         | 1.59  | mm                | -               |
| Coefficient of Thermal Expansion, MD     | 68.4  | E-6/K             | ASTM D 696      |
| DTUL @ 264 psi                           | 129   | °C                | ASTM D 648      |
| Vicat Temperature                        | 151   | °C                | ASTM D 1525     |
| <b>Electrical properties</b>             |       |                   |                 |
| <b>ISO Data</b>                          |       |                   |                 |
| Electric strength                        | 17    | kV/mm             | IEC 60243-1     |
| Comparative tracking index               | 250   | -                 | IEC 60112       |
| <b>ASTM Data</b>                         |       |                   |                 |
| Dielectric Strength, Short Time          | 16.5  | kV/mm             | ASTM D 149      |
| Dissipation Factor, 1 MHz                | 0.002 | -                 | ASTM D 150      |

|                            |                 |        |            |
|----------------------------|-----------------|--------|------------|
| Dielectric Constant, 60 Hz | <b>3</b>        | -      | ASTM D 150 |
| Dielectric Constant, 1 MHz | <b>3</b>        | -      | ASTM D 150 |
| Volume Resistivity         | <b>&gt;1E15</b> | Ohm*cm | ASTM D 257 |

| <b>Optical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| Haze                      | <b>1</b>     | %           | ASTM D 1003          |
| Light Transmittance       | <b>89</b>    | %           | ASTM D 1003          |
| Index of Refraction       | <b>1.59</b>  | -           | ASTM D 542           |

| <b>Other properties</b>       | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------------|--------------|-------------------|----------------------|
| Humidity absorption           | <b>0.32</b>  | %                 | Sim. to ISO 62       |
| Density                       | <b>1200</b>  | kg/m <sup>3</sup> | ISO 1183             |
| Water Absorption, 24hr        | <b>0.15</b>  | %                 | ASTM D 570           |
| Water Absorption, Equilibrium | <b>0.32</b>  | %                 | ASTM D 570           |
| Density                       | <b>1200</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics**

**Processing**

Blow Molding

**Additives**

Release agent

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Features**

Melt Strength

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, South and Central America