

**HARMONIA B TR FV15**

PA6-GF

MAIP SRL

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>     | <b>Unit</b>       | <b>Test Standard</b> |
|--|------------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                   |                      |
| Molding shrinkage, parallel                        | <b>0.3</b>       | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | <b>0.9</b>       | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Stress at break                                    | <b>105</b>       | MPa               | ISO 527              |
| Strain at break                                    | <b>5</b>         | %                 | ISO 527              |
| Flexural modulus, 23°C                             | <b>4700</b>      | MPa               | ISO 178              |
| Flexural strength                                  | <b>150</b>       | MPa               | ISO 178              |
| Izod notched impact strength, +23°C                | <b>7</b>         | kJ/m <sup>2</sup> | ISO 180/1A           |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Melting temperature, 10°C/min                      | <b>205</b>       | °C                | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa           | <b>180</b>       | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | <b>200</b>       | °C                | ISO 75-1/-2          |
| Burning behav. at thickness h                      | <b>HB</b>        | class             | IEC 60695-11-10      |
| Burning rate, FMVSS, Thickness 1 mm                | <b>100</b>       | mm/min            | ISO 3795 (FMVSS 302) |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Volume resistivity                                 | <b>1E13</b>      | Ohm*m             | IEC 62631-3-1        |
| Surface resistivity                                | <b>1E13</b>      | Ohm               | IEC 62631-3-2        |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1230</b>      | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>70 - 80</b>   | °C                | -                    |
| Pre-drying - Time                                  | <b>2 - 6</b>     | h                 | -                    |
| Processing humidity                                | <b>≤0.1</b>      | %                 | -                    |
| Melt temperature                                   | <b>200 - 230</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Features**

Light Diffusing

**Special Characteristics**

Transparent

**Regional Availability**

Europe