

**Iupilon EGW2010DR 9005**

PC-GF10

Mitsubishi Engineering-Plastics Corporation

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>     | <b>Unit</b>       | <b>Test Standard</b> |
|--|------------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                   |                      |
| Molding shrinkage, parallel                        | <b>0.4</b>       | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | <b>0.4</b>       | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Stress at break                                    | <b>70</b>        | MPa               | ISO 527              |
| Strain at break                                    | <b>4.8</b>       | %                 | ISO 527              |
| Flexural modulus, 23°C                             | <b>3600</b>      | MPa               | ISO 178              |
| Flexural strength                                  | <b>120</b>       | MPa               | ISO 178              |
| Charpy impact strength, +23°C                      | <b>55</b>        | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | <b>6</b>         | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | <b>137</b>       | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | <b>141</b>       | °C                | ISO 75-1/-2          |
| Burning behav. at 1.5 mm nom. thickn.              | <b>V-0</b>       | class             | IEC 60695-11-10      |
| Thickness tested                                   | <b>1.5</b>       | mm                | -                    |
| Yellow Card available                              | <b>yes</b>       | -                 | -                    |
| Burning behav. at thickness h                      | <b>V-1</b>       | class             | IEC 60695-11-10      |
| Thickness tested                                   | <b>1.0</b>       | mm                | -                    |
| Yellow Card available                              | <b>yes</b>       | -                 | -                    |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Comparative tracking index                         | <b>212</b>       | -                 | IEC 60112            |
| <b>Other properties</b>                            |                  |                   |                      |
| Water absorption                                   | <b>0.14</b>      | %                 | Sim. to ISO 62       |
| Density  | <b>1270</b>      | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>120</b>       | °C                | -                    |
| Pre-drying - Time                                  | <b>4 - 8</b>     | h                 | -                    |
| Mold temperature                                   | <b>80 - 120</b>  | °C                | -                    |
| Zone 1   | <b>280 - 300</b> | °C                | -                    |
| Zone 2   | <b>280 - 300</b> | °C                | -                    |
| Zone 3   | <b>280 - 300</b> | °C                | -                    |
| Nozzle temperature                                 | <b>280 - 300</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine

**Special Characteristics**

Flame retardant, Phosphorus-free

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa