

**POLIMID B 30 GF EM2**

PA6-GF30

Poliblend S.p.a.

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|--------------|-------------------|----------------------|
| <b>ISO Data</b>                            |              |                   |                      |
| Molding shrinkage, parallel                | <b>0.8</b>   | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Tensile Modulus                            | <b>6800</b>  | MPa               | ISO 527              |
| Yield stress                               | <b>140</b>   | MPa               | ISO 527              |
| Yield strain                               | <b>3</b>     | %                 | ISO 527              |
| Stress at break                            | <b>140</b>   | MPa               | ISO 527              |
| Strain at break                            | <b>4</b>     | %                 | ISO 527              |
| Izod impact strength, +23°C                | <b>100</b>   | kJ/m <sup>2</sup> | ISO 180/1U           |
| Izod notched impact strength, +23°C        | <b>16</b>    | kJ/m <sup>2</sup> | ISO 180/1A           |
| <b>Thermal properties</b>                  |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Melting temperature, 10°C/min              | <b>222</b>   | °C                | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa   | <b>198</b>   | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa   | <b>208</b>   | °C                | ISO 75-1/-2          |
| Burning behav. at 1.5 mm nom. thickn.      | <b>HB</b>    | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>1.5</b>   | mm                | -                    |
| Burning behav. at thickness h              | <b>HB</b>    | class             | IEC 60695-11-10      |
| Thickness tested                           | <b>3.0</b>   | mm                | -                    |
| <b>Electrical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Volume resistivity                         | <b>1E12</b>  | Ohm*m             | IEC 62631-3-1        |
| Comparative tracking index                 | <b>600</b>   | -                 | IEC 60112            |
| <b>Other properties</b>                    |              |                   |                      |
| Density                                    | <b>1300</b>  | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Special Characteristics**

High impact or impact modified

**Regional Availability**

Europe