

**POLIMID A SG EM1 V0M**

PA66

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                | 1.8          | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Tensile Modulus                            | 2900         | MPa               | ISO 527              |
| Yield stress                               | 60           | MPa               | ISO 527              |
| Yield strain                               | 4.5          | %                 | ISO 527              |
| Strain at break                            | 30           | %                 | ISO 527              |
| Izod impact strength, +23°C                | N            | kJ/m <sup>2</sup> | ISO 180/1U           |
| Izod notched impact strength, +23°C        | 7.5          | kJ/m <sup>2</sup> | ISO 180/1A           |
| <b>Thermal properties</b>                  |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Melting temperature, 10°C/min              | 260          | °C                | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa   | 88           | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa   | 220          | °C                | ISO 75-1/-2          |
| Burning behav. at 1.5 mm nom. thickn.      | V-0          | class             | IEC 60695-11-10      |
| Thickness tested                           | 1.5          | mm                | -                    |
| Burning behav. at thickness h              | V-0          | class             | IEC 60695-11-10      |
| Thickness tested                           | 0.8          | mm                | -                    |
| <b>Electrical properties</b>               |              |                   |                      |
| <b>ISO Data</b>                            |              |                   |                      |
| Volume resistivity                         | 1E12         | Ohm*m             | IEC 62631-3-1        |
| Comparative tracking index                 | 600          | -                 | IEC 60112            |
| <b>Other properties</b>                    |              |                   |                      |
| Density                                    | 1160         | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Special Characteristics**

Flame retardant, Halogen-free, Phosphorus-free, High impact or impact modified

**Regional Availability**

Europe