

**Tecomid® NA40 KG30 NL 0B**

PA66-(GF+GB)30

Eurotec Mühendislik Plastikleri

| <b>Mechanical properties</b>                | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---|--------------|-------------------|----------------------|
| <b>ISO Data</b>                             |              |                   |                      |
| Tensile Modulus                             | <b>7500</b>  | MPa               | ISO 527              |
| Stress at break                             | <b>150</b>   | MPa               | ISO 527              |
| Strain at break                             | <b>3</b>     | %                 | ISO 527              |
| Izod impact strength, +23°C                 | <b>55</b>    | kJ/m <sup>2</sup> | ISO 180/1U           |
| Izod notched impact strength, +23°C         | <b>8</b>     | kJ/m <sup>2</sup> | ISO 180/1A           |
| Izod notched impact strength<br>Temperature | <b>7</b>     | kJ/m <sup>2</sup> | ISO 180/1A           |
|   | <b>-30</b>   | °C                | -                    |

| <b>Thermal properties</b>                                 | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>   |              |             |                      |
| Melting temperature, 10°C/min                             | <b>262</b>   | °C          | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa                  | <b>250</b>   | °C          | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa                  | <b>260</b>   | °C          | ISO 75-1/-2          |
| Vicat softening temperature, B                            | <b>250</b>   | °C          | ISO 306              |
| Burning behav. at 1.5 mm nom. thickn.<br>Thickness tested | <b>HB</b>    | class       | IEC 60695-11-10      |
|   | <b>1.6</b>   | mm          | -                    |
| Burning behav. at thickness h<br>Thickness tested         | <b>HB</b>    | class       | IEC 60695-11-10      |
|   | <b>0.8</b>   | mm          | -                    |

| <b>Electrical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</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        |
| Comparative tracking index   | <b>500</b>   | -           | IEC 60112            |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Humidity absorption     | <b>1.9</b>   | %                 | Sim. to ISO 62       |
| Density                 | <b>1360</b>  | kg/m <sup>3</sup> | ISO 1183             |
| Moisture Content        | <b>0.2</b>   | %                 | -                    |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>80</b>        | °C          | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h           | -                    |
| Melt temperature                                   | <b>270 - 300</b> | °C          | -                    |
| Mold temperature                                   | <b>70 - 110</b>  | °C          | -                    |
| Feed temperature                                   | <b>60 - 80</b>   | °C          | -                    |
| Holding pressure                                   | <b>50 - 100</b>  | MPa         | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Delivery form**

Natural Color