

**Arylmax® K6000**

PEKK

Polymics, Ltd.

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Modulus              | <b>4100</b>  | MPa         | ASTM D 638           |
| Tensile Strength             | <b>96.5</b>  | MPa         | ASTM D 638           |
| Elongation at Break          | <b>40</b>    | %           | ASTM D 638           |
| Flexural Modulus             | <b>3400</b>  | MPa         | ASTM D 790           |
| Flexural Strength            | <b>127</b>   | MPa         | ASTM D 790           |

| <b>Thermal properties</b>    | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Melting Temperature          | <b>330</b>   | °C          | ASTM D 3418          |
| Glass Transition Temperature | <b>168</b>   | °C          | ASTM E 1356          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr  | <b>0.1</b>   | %                 | ASTM D 570           |
| Density                 | <b>1310</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific

**Chemical Resistance**

General Chemical Resistance