

Pyramid™ KD2550-NT
(PEEK+PTFE)

Polymics, Ltd.

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 2758 | MPa | ASTM D 638 |
| Tensile Strength at Break | 72.4 | MPa | ASTM D 638 |
| Elongation at Break | 4 | % | ASTM D 638 |
| Flexural Modulus | 3241 | MPa | ASTM D 790 |
| Shore D Hardness | 81 | - | ASTM D 2240 |
| Izod Impact notched, 1/8 in | 32 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| DTUL @ 264 psi | 171 | °C | ASTM D 648 |
| Melting Temperature | 343 | °C | ASTM D 3418 |
| Glass Transition Temperature | 143 | °C | ASTM E 1356 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr | 0.1 | % | ASTM D 570 |
| Density | 1450 | kg/m ³ | ASTM D 792 |

Characteristics

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants