

TORELINA® A400MX01

PPS-(GF+MD)60

Toray Industries, Inc.

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 150 | MPa | ISO 527 |
| Strain at break | 1.1 | % | ISO 527 |
| Flexural modulus, 23°C | 19500 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 23 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 9 | kJ/m ² | ISO 179/1eA |
| Rockwell hardness | R 122 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 278 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 260 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 18 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 28 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.4 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|-----------------|-------------|----------------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 5 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 20 | E-4 | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Electric strength | 24 | kV/mm | IEC 60243-1 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1900 | kg/m ³ | ISO 1183 |

Characteristics**Delivery form**

Black, Natural Color

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa