

TORAYCA A512-X02N3

PPS-CF10

Toray Industries, Inc.

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 110 | MPa | ISO 527 |
| Strain at break | 1.5 | % | ISO 527 |
| Flexural modulus, 23°C | 9400 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 4.7 | kJ/m ² | ISO 179/1eA |

| 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 | 21 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | 0.1 | Ohm*m | IEC 62631-3-1 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1520 | kg/m ³ | ISO 1183 |

Characteristics**Special Characteristics**

Flame retardant

Features

Tribologic Grade

Regional Availability

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