



PTFE 140x2000 mm natural

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| Article No. | P1201006 |
| Category | PTFE |

Technical Properties

Density & Weight

| Property | Value | Unit | Test standard |
|----------|-------|-------------------|---------------|
| Density | 2.1 | g/cm ³ | ASTM D1457 |

Tensile Properties

| Property | Value | Unit | Test standard |
|---------------------------------|-------|------|---------------|
| Tensile Strength | 22 | MPa | ASTM D4894 |
| Modulus of elasticity (tensile) | 750 | MPa | ISO 527 |
| Breakdown Voltage | 18 | MPa | ASTM D1457 |
| Break Elongation | 300 | % | ASTM D1457 |

Flexural Properties

| Property | Value | Unit | Test standard |
|-------------------|-------|------|---------------|
| Flexural Strength | 6 | MPa | ISO 178 |

Impact Resistance

| Property | Value | Unit | Test standard |
|----------------------------------|-------|-------------------|---------------|
| Notched impact strength (Charpy) | 16 | kJ/m ² | ISO 179 |

Hardness

| Property | Value | Unit | Test standard |
|------------------|-------|-----------|---------------|
| Hardness Shore D | 58.5 | ° Shore D | ASTM D1706 |

| Property | Value | Unit | Test standard |
|------------------------|-------|------|---------------|
| Ball pressure hardness | 45 | MPa | ISO 2039 |

Temperature Limits

| Property | Value | Unit | Test standard |
|--|-------|------|---------------|
| Maximal operating temperature (short-term) | 260 | °C | |
| Maximum Operating Temperature | 260 | °C | |
| Minimum temperature | -200 | °C | |

Insulation Properties

| Property | Value | Unit | Test standard |
|--------------------|-----------------|------|---------------|
| Volume Resistivity | 10 ⁴ | Ω·cm | ASTM D257 |