



## PEEK MG 50x3000 mm black

|             |          |
|-------------|----------|
| Article No. | P1501632 |
| Category    | PEEK     |

## Technical Properties

## Density &amp; Weight

| Property | Value | Unit              | Test standard |
|----------|-------|-------------------|---------------|
| Density  | 1.31  | g/cm <sup>3</sup> | ISO 1183      |

## Moisture Absorption

| Property                       | Value | Unit | Test standard |
|--------------------------------|-------|------|---------------|
| Water absorption to saturation | 0.2   | %    | ISO 62        |
| Water Absorption to Saturation | 0.45  | %    | ISO 62        |

## Tensile Properties

| Property                        | Value | Unit | Test standard |
|---------------------------------|-------|------|---------------|
| Tensile Strength                | 112   | MPa  | ISO527-2      |
| Modulus of elasticity (tensile) | 4400  | MPa  | ISO 527-2     |
| Breakdown Voltage               | 67    | MPa  | ISO 527       |
| Break Elongation                | 20    | %    | ISO 527-2     |

## Flexural Properties

| Property          | Value | Unit | Test standard |
|-------------------|-------|------|---------------|
| Flexural Strength | 110   | MPa  | ISO 527-2     |

## Impact Resistance

| Property | Value | Unit | Test standard |
|----------|-------|------|---------------|
|----------|-------|------|---------------|

| Property                         | Value | Unit  | Test standard |
|----------------------------------|-------|-------|---------------|
| Notched impact strength (Charpy) | 3.5   | kJ/m² | ISO 179/1eA   |
| Impact Resistance (Charpy)       | 92    | kJ/m² | ISO179/1eU    |

Static spread

| Property                         | Value            | Unit | Test standard |
|----------------------------------|------------------|------|---------------|
| Surface Resistivity              | 10 <sup>13</sup> | Ω    | IEC 60093     |
| Comparative Tracking Index (CTI) | 150              | V    | IEC 60112     |

Fire Classification

| Property                            | Value | Unit | Test standard |
|-------------------------------------|-------|------|---------------|
| Flammability Classification (UL 94) | 0     |      | UL 94         |