

Polyethylene terephthalate glycol (PETG) is a thermoplastic copolyester with a very high surface gloss and good transparency. This plastic is extremely impact resistant (also at minus temperatures), has very good thermoforming properties and is resistant to chemicals.

### Mechanical properties:

Yield stress	DIN EN ISO 527	52 MPa
Elongation at yield	DIN EN ISO 527	4.5%
Tensile modulus of elasticity	ISO 527-2	1900 MPa
Impact strength	ISO 179-1	without break
Notched impact strength	ISO 179-1	10 kJ/m <sup>2</sup>
Ball indentation hardness	ISO 2039-1	97 MPa
Shore hardness D (15 s)	DIN EN ISO 868	78

### Thermal properties:

Vicat B	ISO 306	77°C
Processing temperature		200-215°C
Temperature heat bed		80-100°C

### Electrical properties:

Surface resistivity	IEC 60093	10 <sup>14</sup>
Dielectric strength	DIN IEC 60243-1	16 kV/mm

### Typical properties:

Fire behaviour	DIN 4102 B1	low flammability 1 to 8 mm
Density	ISO1183	1.27 g/cm <sup>3</sup>
Temperature range		-40 to +65°C
Light transmission (3 mm)		90%
Physiological safety	BfR	✓
Food compliance	EU	✓
Food compliance	FDA	✓

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The figures shown are the data of the sheet manufacturers. Values may differ depending on the production batch. This data sheet is not a guarantee for exact compliance with the values!