

PET-G



Polyethylene terephthalate (PET / PET-G) is the translucent, glossy material from which many soda bottles are made from. This material is becoming quickly popular as a convenient hybrid of the best qualities of PLA and ABS: the low shrinkage and benign printing properties of the former; and the strength and durability properties of the latter.



- Semi-flexible, durable and weatherproof;
- Low warping;
- Excellent layer bonding;
- Low friction coefficient;
- Glossy reflective shine;
- Common recyclable material;
- Low moisture absorption.

Available in a wide variety of colors. For non-stock colors there is a minimum quantity of 30 kg.

Physical properties

Specific gravity	ASTM D1505	1,27 g/cc
MFI	-	-
Tensile strength	ASTM D638	50 MPa 7300 psi
Elongation at break	ASTM D638	28 MPa 4100 psi
Tensile modulus	ASTM D790	2100 MPa 305000 psi
Impact strength	-	33 joules

Tolerance +/- 0.05 mm (1.75 mm), 0.10 mm (2.85 mm)
Heated bed temp. 50 - 80 °C
Storage 20 °C +/- 30 °C

Thermal properties

Printing temp.	-	230 - 250 °C
Melting temp.	-	250 °C +/- 10 °C
Melting point	-	-
Vicat softening temp.	ISO 306	+/- 85 °C



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