

Fritz 3D Filament: PET-G

Technical Data Sheet

Fritz 3D PET-G is characterized by high transparency compared to other materials. It is also food safe and therefore the best option for all purposes in this field. Another major advantage of PET-G is its virtually non-existent shrinkage rate and low moisture absorption compared to other thermoplastics used for FDM 3D printing.

Material features:

- High transparency
- Very good mechanical properties
- Chemical resistant
- High dimensional accuracy

Material properties:

Description	Test method	Typical value
Specific gravity	ASTM D792	1,25g/cc
MFR 230°C	ASTM D1238	5,9g/10min
Tensile Strength at Yield (MPa)	ASTM D638	50MPa
Strain at break	ASTM D638	120%
E-Modulus	ASTM D638	1920MPa
Flexural strength	ASTM D790	71MPa
Printing temp.	DF	230-255°C
Melting temp.	-	-
HDT	ASTM D648	80°C
Glass transition temp.	ASTM D1525	90°C
RoHS compliance		yes
REACH compliance		yes

The numbers presented are typical values intended for reference and comparison purposes only. The performance characteristics of 3D printed parts may vary according to build conditions, print settings or applications.

Additional information:

If you have a heated bed the recommended temperature is 60-80°C.
Storage: Cool, dry (15-25°C) and away from light.

Distributor:

3Dee Store OG – Margaretenstrasse 101. A-1050 Vienna, Austria
+43 1 71 02041 - office@3dee.at - www.3dee.at