PETG FILAMENT TECHNICAL DATA SHEET

PETG (Polyethylene Terephthalate Glycol-modified) is a popular 3D printing filament known for balancing the ease of use found in PLA with the strength and durability of ABS. It is highly valued for its impact resistance, temperature stability, and excellent layer adhesion

Application: Mechanical Components,Functional Prototypes, Engineering prototypes,Outdoor Use Object, Waterproof Applications,Food-Safe Containers, Medical & Lab Equipment.

Post processing: - Average (wet and dry sanding)

TYPICAL PROPERTIES

Physical properties	**Method**	**Typical value**
Intrinsic Viscosity		0.69 +/- 0.02 dl/g
Specific Gravity	ASTM D792	1.27
Mechanical properties	**Method**	**Typical value**
Tensile Strength @ Yield	ASTM D638	455 Kgf/cm2
Flexural Strength	ASTM D790	755 Kgf/cm2
Rockwell Hardness	ASTM D785	108 R-scale
Heat deflection temp., @ 0.455 MPa / @ 1.820 MPa	ASTM D648	70°C
Transmittance	ASTM D1003	90°%

Disclaimer

The technical data and property values provided for this PLA material are intended solely for **informational and comparative purposes**. Actual results are highly subjective and significantly dependent on specific **print parameters**, **printer hardware**, **user experience**, and **environmental or weather conditions**. It is the sole responsibility of the user to determine the suitability of the printed parts for their intended application and to account for any potential consequences of their use. **Sattva Filament** shall not be held liable for any variations in data during external testing, nor for any injuries, losses, or damages resulting from the use or application of Sattva Filament materials.