Modix Modular Technologies LTD.
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Technical Data Sheet: PETg

Description: Our PETg strikes the sweet-spot between the rigidity of PLA and the toughness of ABS. The glycol-modification lowers crystallinity, giving it excellent layer-to-layer adhesion, minimal warpage, and a glossy, low-string finish right off the bed. Prints hold up to repeated flexing, light chemical exposure, and higher service temperatures than PLA—making PETg ideal for functional prototypes, jigs, and end-use parts that need a bit more durability without the hassle of an enclosure. Whether you're dialing in fast draft speeds or chasing showroom transparency, this filament delivers dependable, dimensionally stable results every time.

Physical Properties	Standard	Units	Recorded Value
Density	ISO 1183	g/mL	1.27

Mechanical Properties	Standard	Unit	Recorded Value
Tensile Strength, Break	ISO 527	MPa	56
Elongation at break	ISO 527	%	28
Flexural Strength	ISO 178	MPa	72
Flexural Modulus	ISO 178	MPa	1900

Thermal Properties	Standard	Unit	Recorded Value
Glass Transition Temp. Tg	DSC	°C	75
Heat Deflection Temperature at 0.45 MPa	ISO 75	°C	85

Electrical Properties	Standard	Unit	Recorded Value
Surface Resistance	ASTM D257	Ω / sq	$>10^{13}$

Printer Settings:
Extruder Temperature: 240-260°C
Build Plate Temperature: 75°C
Fan speed: 0-20%
Print Speed: < 1000 mm/s
Max Volumetric Flow: < 30 mm^3 / s on 800 micron nozzles

Notice:
Typical values, not specifications. Performance varies with printer, part geometry, and settings. Users must verify fitness for purpose and comply with regulations. Modix Modular Technologies Inc. provides no warranties and assumes no liability.