

PETG Technical Data Sheet(TDS)

Physical	Condition	Test Method	Typical Value
Density		ASTM D792	1.29 g/ ³
Water Absorption		ASTM D570	0.12%

Mechanical	Condition	Test Method	Typical Value
Tensile Modulus		ISO 527-2	3000 MPa
Tensile Yield Stress		ISO 527-2	53 MPa
Elongation at Yield		ISO 527-2	4%
Tensile Strength		ISO 527-2	53 MPa
Elongation at Stress		ISO 527-2	4%
Stress at Break		ISO 527-2	19 MPa
Nominal Elongation at Break		ISO 527-2	31%
Flexural Modulus		ISO 178	2040 MPa
Flexural Stress		ISO 178	171 MPa
Deflection at Flexural Strength		ISO 178	8.6 mm

Impact	Condition	Test Method	Typical Value
Notched Izod Impact Strength	23°C, 50 % RH	ISO 180	4.5kJ/ ²

Hardness	Condition	Test Method	Typical Value
Shore Hardness		ASTM D2240	70

Thermal	Condition	Test Method	Typical Value
Heat Deflection Temperature	0, 45 MPa	ISO 75-2	68°C
	1.8 MPa	ISO 75-2	62°C
Vicat Softening Temperature		ISO 306	78°C
Glass Transition Temperature		ASTM D3418	80°C

Updated on May 11, 2026