

Technical Data Sheet: Z-PLA Pro

Mechanical Properties	Metric	English	Comments
Tensile Strength at Yield	45 MPa	6530 psi	ISO 527
Tensile Strength at Break	27 MPa	3920 psi	ISO 527
Elongation at Yield	2%	2%	ISO 527
Elongation at Break	17%	17%	ISO 527
Tensile Modulus	4.3 GPa	624 ksi	ISO 527
Charpy Impact	55 kJ/m ²	26.2 ft-lb/in ²	ISO 179/1eU
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.45 MPa (66 psi)	47 °C	117 °F	ISO 75
Other Properties	Metric	English	Comments
Specific Gravity	1.3 - 1.5 g/cm ³	10.8 - 12.5 lb/gal	
Melt Flow Rate	36 cm ³ /10 min Load 2.16 kg, Temperature 190 °C	2.2 in ³ /10 min Load 4.76 lb, Temperature 374 °F	ISO 1133

The data presented in this document are intended for information and comparison purposes only. They should not be used for project specifications or its quality evaluation. The material's actual properties depend on the printing process conditions, the design structure and its purpose, test conditions, etc.

Samples of Z-PLA Pro used to carry out the tests were made through plastic moulding.

Product specifications are subject to change without notice.

Each user is responsible for complying with product safety standards, its intended use as well as the law and waste disposal (and recycling) rules for electrical and electronic equipment. Zortrax does not make any express or implied warranties, including but not limited to implied warranties of merchantability or fitness for a particular purpose.

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