

# TECHNICAL DATA SHEET

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# Z-ABS 2

Z-ABS is a versatile and economic material which perfectly matches the needs of users who begin their work with 3D printing as well as professionals who want to make savings on in-house prototyping. With a wide selection of post-processing methods, either mechanical or chemical, Z-ABS becomes well-suited not only for producing affordable prototypes, but also for creative applications, such as conceptual models, gadgets or figurines. Z-ABS is something you seek for if you need to 3D print low-cost, attractive-looking objects or prototypes with functional requirements.



Mechanical Properties	Metric	Imperial	Test Method
Tensile Strength (Yield)	45 MPa	6530 psi	ISO 527-2
Tensile Modulus	2.3 GPa	334 ksi	ISO 527-2
Tensile Elongation	2.5% (3.2 mm)	2.5% (0.126 in)	ISO 527-2
Izod Impact, Notched	9 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	ISO 180/A
Izod Impact, Unnotched	19 kJ/m <sup>2</sup>	9.04 ft-lb/in <sup>2</sup>	ISO 180/A
Thermal Properties	Metric	Imperial	Test Method
Vicat Softening Temperature (VCT)	97° C (5 kg; 50° C/h)	207° F (11 lb; 122° F/h)	ISO 306/B50
Heat Distortion Temperature (HDT)	100° C (annealed; 1.8 MPa)	212° F (annealed; 261 psi)	ISO 75-2/A
Other Properties	Metric	Imperial	Test Method
Melt Flow Index (MFI)	15 g/10 min (220° C; 10 kg)	0.0331 lb/10 min (428° F; 22 lb)	ISO 1133
Density	1.05 g/cm <sup>3</sup>	8.76 lb/gal	ISO 1183/B

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.

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.

The Zortrax logo is displayed in a bold, lowercase, sans-serif font.

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