

TECHNICAL DATA SHEET

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Z-ESD v2

Z-ESD is a material which perfectly fits the needs of the industrial sector, especially the electrical and electronics industries. It is durable, warpage resistant, and provides protection against electrostatic discharge which can be particularly damaging to electronic equipment. This unique property can significantly help to reduce the loss of electronic components and generate savings. Z-ESD allows you to print functional objects, elements and casings containing highly sensitive electronics, and tools used for control processes.



| Mechanical Properties | Metric | Imperial | Test Method |
|------------------------------|---|---|-----------------|
| Tensile Modulus | 2.3 - 2.4 GPa | 334 - 348 ksi | DIN 53457 |
| Thermal Properties | Metric | Imperial | Test Method |
| Glass Transition Temperature | 80 - 90° C | 176 - 194° F | DSC |
| Other Properties | Metric | Imperial | Test Method |
| Specific Gravity | 1.31 - 1.38 g/cm ³ | 10.9 - 11.5 lb/gal | |
| Surface Resistivity | 10 ⁵ - 10 ⁸ Ω/cm ² | 6.45*10 ⁵ - 6.45*10 ⁸ Ω/in ² | ASTM D 257 1991 |
| Volume Resistivity | 10 ⁵ - 10 ⁷ Ω*cm | 0.39*10 ⁵ - 0.39*10 ⁷ Ω*in | IEC 60093 |

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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