

Titan Tough Epoxy

EP-R-017 a rigid, durable material with good impact and temperature resistance

MECHANICAL PROPERTIES	STANDARD	VALUE
Ultimate Tensile Strength	ASTM D638-IV	53.8 MPa
Elongation at Break	ASTM D636-IV	7.1 %
Elastic Modulus	ASTM D638-IV	2.5 GPa
Flexural Strength	ASTM D790	85.0 MPa
Flexural Modulus	ASTM D790	2.3 GPa
Shore Hardness	ASTM D2240	78D
Izod Impact (notched)	ASTM D256	33.8 J/m

THERMAL PROPERTIES	STANDARD	VALUE
HDT @ 0.45 MPa	ASTM D648	76 °C
HDT @ 1.82 MPa	ASTM D648	69 °C
Glass Transition Temperature	ASTM D3418	78-82 °C

To the best of our knowledge the information contained herein is accurate. However, Inkbit Corporation makes no warranty, expressed or implied, regarding the accuracy of these results to be obtained from the use thereof.

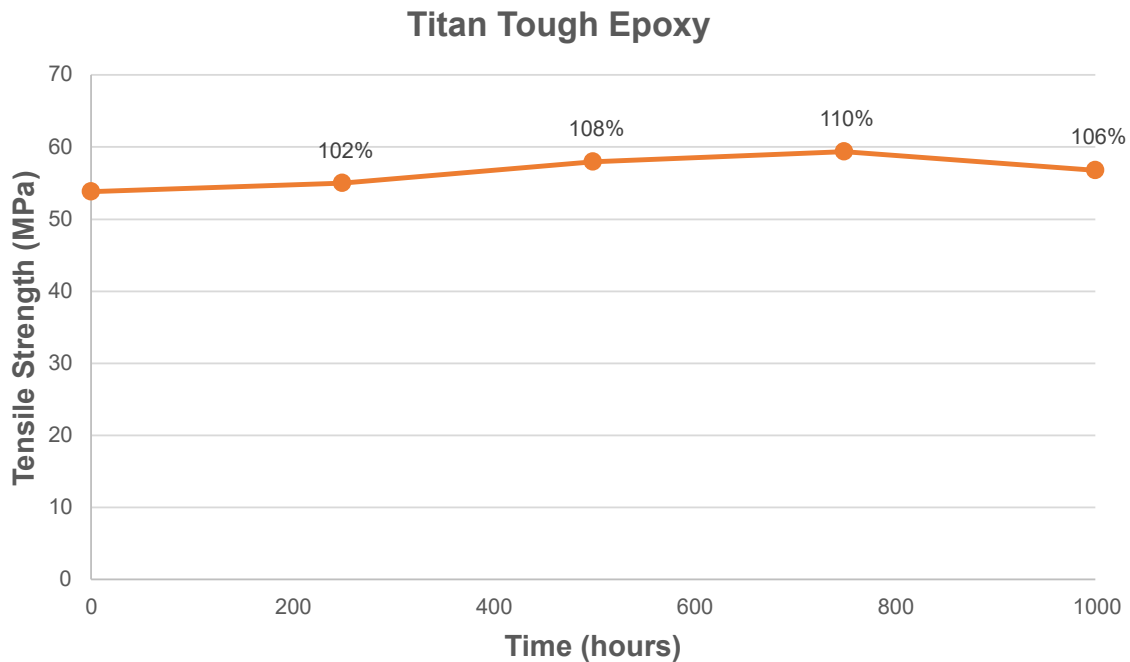
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GENERAL PROPERTIES	STANDARD	VALUE
Water Absorption	ASTM D570	0.67%
Density	ASTM D792	1.21 g/cm ³

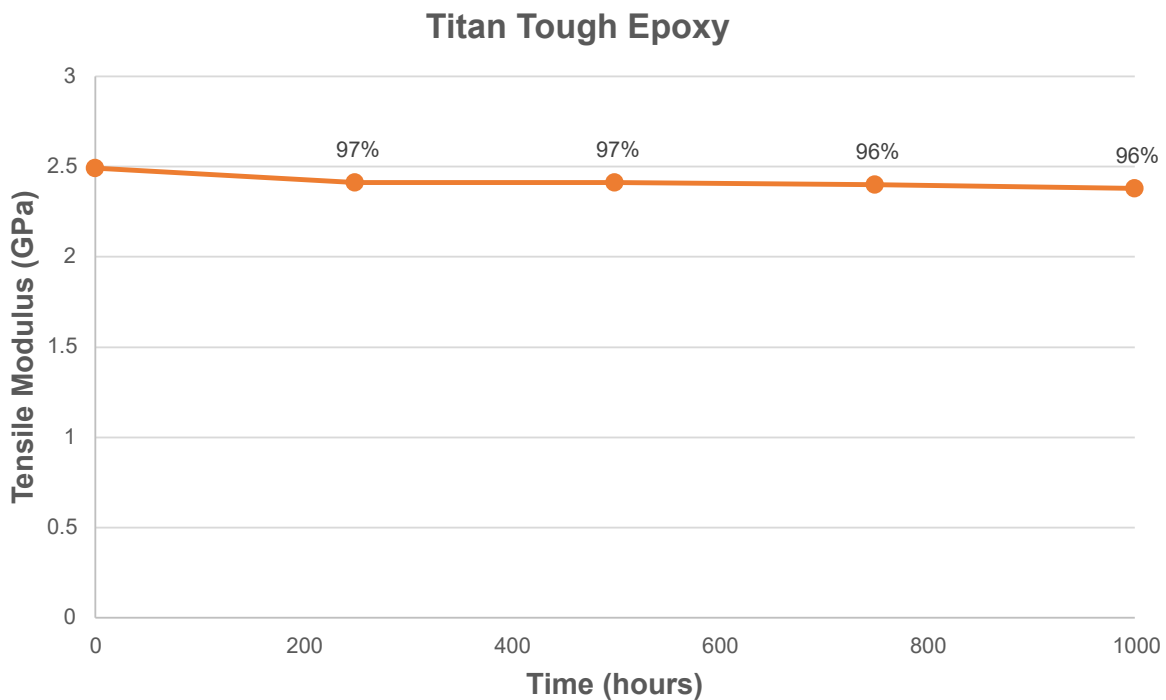
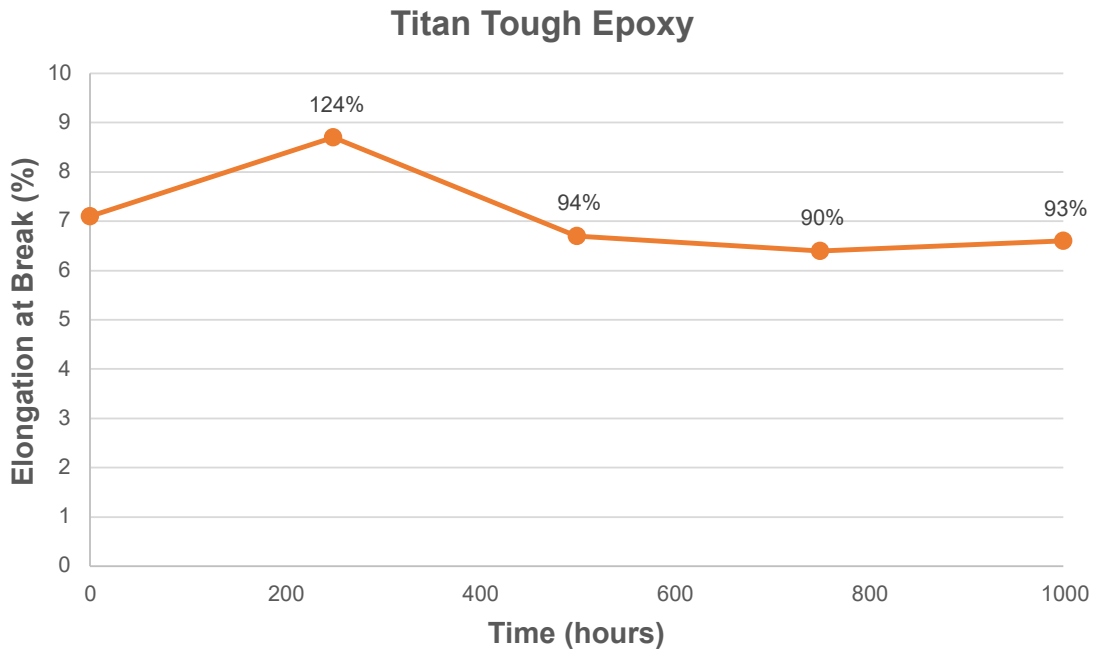
FLAME RESISTANCE	STANDARD	VALUE
Flammability	UL 94	HB (3.3 mm)

UV STABILITY TESTING



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UV STABILITY TESTING



ASTM G154: Cycle 1
ASTM D638: Type IV, 50 mm/min, average values represented.

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