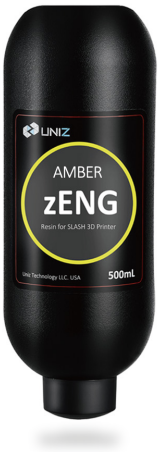




VARIETY AND CHARACTER

ENGINEERING RESIN



zENG provides greatly enhanced mechanical properties, It's featured with high ductility and impact strength without sacrificing precision. This resin is ideal for creating parts that match the design specs perfectly.

zENG AMBER					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Tensile Strength	15.3 MPa	35.4 MPa	2219 psi	5133 psi	ASTM D 638-14
Elongation at Break	39.5 %	11.1 %	39.5 %	11.1 %	ASTM D 638-14
Modulus	107.44 MPa	389.69 MPa	15578.8 psi	56505.05 psi	ASTM D 638-14
Flexural Properties					
Flexural Strength	15.23 MPa	56.18 MPa	2208.35 psi	8146.1 psi	ASTM D 790-15
Flexural modulus	570.44 MPa	1937.61 MPa	827.14 ksi	280.95 ksi	ASTM D 790-15
Impact properties					
Notched izod (Machined)	38.54 J/m	18.38 J/m	0.72 ft-lbf/in	0.34 ft-lbf/in	ASTM-D256-10

NOTES:
1. Material properties can vary with part geometry, print orientation, print settings and temperature.
2. Data was obtained form green parts, printed using, 100 μm, Clear settings, without additional treatment.
3. Data was obtained form green parts, printed using, 100 μm, Clear settings and post-cured with 600 mW/cm2 of 405 nm LED light at 25°C for 10 min.