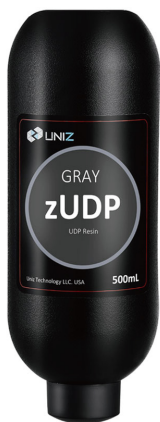




VARIETY AND CHARACTER

RESIN FOR UDP MODE



The zUDP is especially designed for extremely fast printing in UDP mode.

The zUDP Gray's mechanical properties are similar to that of the zABS. Its faster rendering speed makes it suitable for applications in art, concept models and more.

zUDP GRAY					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Tensile Strength	24.61MPa	18.42MPa	3568.45psi	2670.9psi	ASTM D 638-14
Elongation at Break	19.4%	9.3%	19.4%	9.3%	ASTM D 638-14
	181.35MPa	291.75MPa	26295.75psi	42303.75psi	ASTM D 638-14
Flexural Properties					
Flexural Strength	26.79MPa	37.11MPa	3884.55psi	5380.95psi	ASTM D 790-15
Flexural modulus	921.06MPa	2620.33MPa	133.55ksi	379.95ksi	ASTM D 790-15
Impact properties					
Notched izod (Machined)	6.91 J/m	3.9 J/m	0.13 ft-lbf/in	0.07 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 from green parts, printed using, 100 µm, Clear settings, without additional treatment.
3. Data was obtained from 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.



VARIETY AND CHARACTER

RESIN FOR UDP MODE



The zUDP Orange is perfect for extremely fast, high resolution prints in a dashing orange color. This is for those who prefer a brighter surface color for their jewelry and figurines.

zUDP ORANGE					
	METRIC ¹		IMPERIAL ¹		METHOD
	Green ²	Post-Cured ³	Green ²	Post-Cured ³	
Tensile Properties					
Tensile Strength	16.83MPa	29.28MPa	2440.35psi	4245.6psi	ASTM D 638-14
Elongation at Break	25.1%	13.0%	25.1%	13.0%	ASTM D 638-14
Modulus	117.37MPa	292.48MPa	17018.65psi	42409.6psi	ASTM D 638-14
Flexural Properties					
Flexural Strength	14.06MPa	40.93MPa	2038.7psi	5934.85psi	ASTM D 790-15
Flexural modulus	536.59MPa	1577.15MPa	77.81ksi	228.69ksi	ASTM D 790-15
Impact properties					
Notched izod (Machined)	2.4J/m	2.4J/m	0.04ft-lbf/in	0.04ft-lbf/in	ASTM-D256-10

NOTES:

1. Material properties can vary with part geometry, print orientation, print settings and temperature.
2. Data was obtained from green parts, printed using, 100 µm, Clear settings, without additional treatment.
3. Data was obtained from 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.