NEXTDIMENSION®

Technical Data Sheet

PR221-Glitter
Glitter Prototyping Resin

General Information

PR221-Glitter is formulated to work with LCD 3D printers using 385-405 nm light. It is tuned to print with high resolution and reliability.

Chemical Data

		Method
Viscosity (cps @25 °C	700	Brookfield SP #31
	Post-cured	
Tensile Modulus (mPa)	1100	ASTM D 638-1V
Tensile Strength (mPa)	50	ASTM D 638-1V
Elongation (%)	6	ASTM D 638-1V
Shore Hardness	86.5 D	

**Parts were post-cured for 10min a side with a Broadband light source at 10mW/cm² for 10 minutes a side.*
**Properties may vary in orientation and post-treatment.*

Print Settings

PR221-Glitter is recommended 60s for first layers, and 5-9 seconds for the model layers, depending on the printer.

Post Cure Procedure

Parts should be post cured under a either a 395-405 nm LED for 10 minutes on a side at a minimum of 10 mW/cm² or a broadband UV light source at 10 minutes a side to bring the parts up to their full properties

Storage and Handling

PR221-Glitter stable for up to 1 year at ambient conditions.
This product is light sensitive and should not be exposed to daylight, UV light and artificial lighting during storage.
Exposure to daylight, UV light and artificial lighting should be kept to a minimum during handling.

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