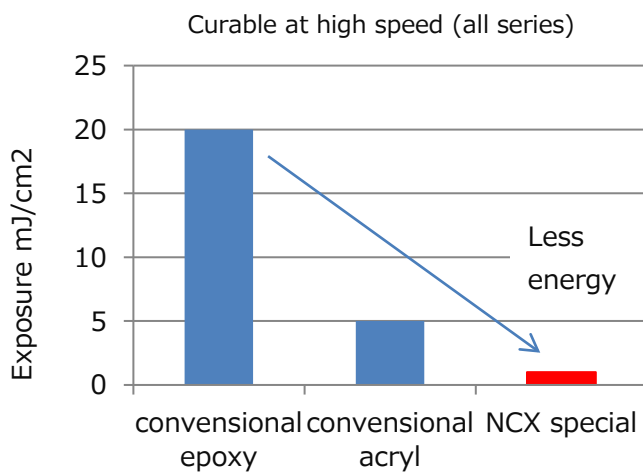


# Nagase 3D printing UV curing material

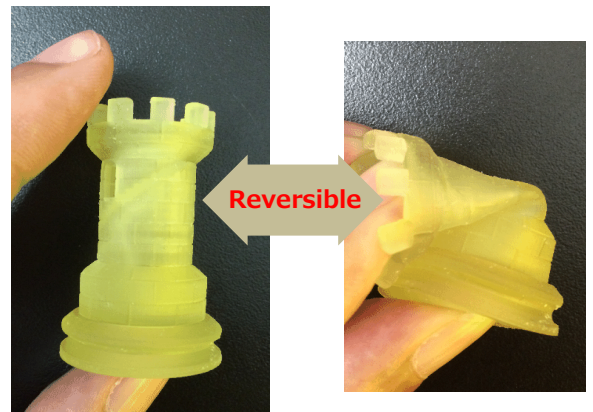
## Material design

1mJ/cm<sup>2</sup> or less can be achieved by using particular radical reactions.  
 Even LED light allows curing to be performed at high speed and with high precision  
 → enables high speed 3D printing and visible light-curable adhesive  
 High curing speed due to special radical polymerization, suitable for LED-light  
 A variety of lineups are available for various 3D printers (SLA, DLP, LCD, and IJ types).

## Features



The rubber is flexible and can be bent up to 180 degrees (RS type).



Elongation >200%

## Material Properties

Physical properties	RH-series	RHL-series	RS-series	RCA-series	RVF-series
features	High accuracy heat resistance	High Durability	High elongation	burnout type	very fast cure
application	heat parts	PP,ABS like)	Rubber prototyping	metal investment	High speed prototyping
viscosity	210mPa·s	1000mPa·s	80-700mPa·s	100-300mPa·s	310mPa·s
curing wavelength	365nm-450nm	365nm-450nm	365nm-450nm	365nm-450nm	365nm-450nm
exposure Energy	<3mJ/cm <sup>2</sup>	<6mJ/cm <sup>2</sup>	<3mJ/cm <sup>2</sup>	<6mJ/cm <sup>2</sup>	<1mJ/cm <sup>2</sup>
young modulous etc.	3GPa 260C OK	2GPa Izod > 100J/m	1MPa-1GPa Elongation >200%	2.8GPa 250C~Melting	3GPa