



v. ProHighTemp Resin

The ProHighTemp resin has the properties of high hardness, high resolution, and high temperature resistance, making it ideal for the use in printing the master models for producing rubber molds.

IDENTIFICATION		
Material Name	ProHighTemp Resin	
Resin Model	K1	
Product Use	Printing material for 3D printers using DLP technology	
SPECIFICATIONS		
Color	Dark green	
Package Available	1kg (2 x 500g bottle per package)	
Viscosity @25°C	880-980	
Density	1.13-1.18 g/cm³	
Operating Temperature	25 ± 5 °C	
MECHANICAL PROPERTIES	TEST METHOD	
Hardness (Scale D)		65-85
Tensile Strength (MPa)	ASTM D638	30-35
Tensile Modulus (MPa)	ASTM D638	1100-1400
Elongation	ASTM D638	0.5-5.5%
Flexural Strength (MPa)	ASTM D790	65-75
Flexural Modulus (MPa)	ASTM D790	1650-1950
Notched Izod Impact (J/m)	ASTM D256	15-20
HDT (°C @0.45MPa)	ASTM D648	110-150
Post-curing Settings	10 mins with XYZ curing chamber	
OTHERS		
Storage Condition	1. Store the product in a cool, dry, and well-ventilated place and avoid direct sun light. 2. Recommended storage temperature between 10 and 32 °C. 3. Use the product as soon as possible after opening.	

Handling notice:

- Always wear gloves when handling uncured resin. If skin contact with resin occurs, flush with plenty of water and use soap if available for several minutes. If skin reactions occur, it could require medical treatment immediately.
- Do not expose this light-sensitive material to direct light source when opening the bottle.
- Resin in tank should be filtered before reuse.
- Wasted resin can be exposed under the sunlight/UV light until it solidified for disposal as plastic waste.