



II. DLP/SLA Printing Technology

i. EeezCast Resin

The EeezCast resin has the properties of less ash residual, high resolution, and low shrinkage rate that can achieve a high casting yield, making it ideal for the use in lost-wax casting of intricate jewelry design.

IDENTIFICATION		
Material Name	EeezCast Resin	
Resin Model	F1	
Product Use	Printing material for 3D printers using DLP technology	
SPECIFICATIONS		
Color	Yellow	
Package Available	1kg (2 x 500g bottle per package)	
Viscosity @25°C	150-300	
Density	1.0-1.2 g/cm ³	
Operating Temperature	25 ± 5 °C	
MECHANICAL PROPERTIES	TEST METHOD	
Hardness (Scale D)		70-90
Tensile Strength (MPa)	ASTM D638	55-75
Tensile Modulus (MPa)	ASTM D638	--
Elongation	ASTM D638	--
Flexural Strength (MPa)	ASTM D790	--
Flexural Modulus (MPa)	ASTM D790	--
Notched Izod Impact (J/m)	ASTM D256	--
HDT (°C @0.45MPa)	ASTM D648	--
Post-curing Settings	5 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. 2. 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.