

DLP Flexible Resin

Rubber-like Resin

Rubber-like Resin is a type of DLP flexible resin with rubber-like mechanical properties. The material is optimized for high successful rate of 3D printing, with excellent elongation break and tear strength. Liquid resin is easy to absorb moisture. Please keep it sealed.

[Compatible Printer Type] LCD / DLP
[Compatible wavelength] 395-405nm
[Application] Shoe sole, flexible prototypes, sealing and cushioning applications

SPECIFICATION

PROPERTY	UNIT	STANDARD	RESULT
Liquid Density	g/cm ³	ASTM:D647-12	
Viscosity(25 °C)	mpa.s	ASTM:D4212-10	980.0
Shore A Hardness		ASTM:D2240-05	75
Solid Density	g/cm ³	ASTM:D647-12	
Elongation break	%	ASTM:D412-06	255.1
Bending strength	Mpa	ASTM:D790-10	
Flexural modulus	Mpa	ASTM:D790-10	/
Tensile Strength	M pa	ASTM:D412-06	7.9
Elastic Modulus	Mpa	ASTM:D412-06	2.0
Tear Strength	KN/m	ASTM:D624-98	47.2

Note:

1. Material properties might vary depending on equipment light source, printing parameters, ambient temperature, post-processing methods, etc. The final effect depends on the actual use of the user. This table is for reference only.
2. The data of the tested part in the table is printed by LCD type 3D printer with weak light source. If it is an DLP type 3D printer with strong light source, better performance can be obtained.

