

## Technical Data Sheet Plexiwire Resin Basic

### Description

Plexiwire Resin Basic is an acrylic-based resin for DLP/LCD/SLA 3D printers with UV range up to 405nm, available in 500g bottle and in 2 colors.

### Properties

Tensile Properties		
Tensile Modulus *	3060 MPa	ASTM D638
Ultimate Tensile Strength *	81 MPa	ASTM D638
Elongation at break *	4.8%	ASTM D638
Flexural Properties		
Flexural Modulus *	2200 MPa	ASTM D790
Flexural Strength *	95 MPa	ASTM D790
Impact Properties		
Impact Strength Notched Izod *	22.7 J/m	ASTM D256
General Properties		
Shore Hardness *	92 Shore D	ASTM D2240
Heat Deflection Temperature	95°C	ASTM D648
Viscosity	980 cPs	At 25°C Brookfield spindle 3
Density	1.16 g/cm <sup>3</sup>	
Storage	10<T>50°C	

\* Mechanical properties stated based on fully cured material.

### Resin Specification

- UV: 365-405nm
- Printing Method: DLP/LCD
- Container: bottle
- Available colors: white, grey
- Netto weight: 500g

### Typical printing settings

- Time: from 4 sec for layer of 0,05mm.
- First layer time: from 40 sec for layer of 0,05mm.
- Curing: from 60 min.