

SLA - White

White photopolymer



The white photopolymer has a smooth and sharp-edged surface that is well suited for varnishing, as well as material models and presentation models. The material properties of White CL03 resemble ABS when treated with UV light.

Mechanical Attributes

Attribute	test standard	Value*
Tensile Strength	ASTM D638	65 MPa
Tensile modulus	ASTM D638	2800 MPa
Elongation at break	ASTM D638	6.2 %
Flexural modulus of elasticity	ASTM C790	2200 MPa
Izod notched impact strength (at 23 °C)	ASTM D256	25 J/m
Hardness		80 Shore D
Heat resistance @0,45 MPa	ASTM D648	73.1 °C
Heat resistance @1,80 MPa	ASTM D648	58.4 °C
Density		1.1 ± 0.02 g/cm ³

*depending on various parameters, in particular the printing orientation

Chemical Resistance

Chemical	Resistance	Weight gain
Acetone	no	2.00 %

Bleach (5 % NaOCl)	yes	1.00 %
Butyl acetate	yes	1.00 %
Diethyl glycol monomethyl ether	yes	1.00 %
Acetic acid (5 %)	yes	1.00 %
Isooctane	yes	1.00 %
Isopropyl alcohol	yes	1.00 %
Sodium hydroxide	yes	1.00 %
Saline solution	yes	1.00 %
Water	yes	1.00 %
Hydrogen peroxide (3%)	yes	1.00 %
Xylene	yes	1.00 %

Practical example

Component	Zahnrad
Size	38 x 38 x 8 mm
Volume	5 cm ³
Price	17,85 € (100 m) / 21,46 € (50 m) Incl. VAT, plus delivery costs

