

FORMULA L1 : ABS-LIKE

This material is an excellent substitute for ABS in 3D printing. Its opaque white color resembles ABS closely and its physical attributes make it suitable for almost any application. Aside from being strong it's also highly practical to work with as it only requires the very minimum of post-processing.

Applications

- Functional Prototypes
- Concept models
- Low-volume production parts

Advantages

- Highly Accurate
- Good resistance to humidity
- Highly durable
- Good resistance to yellowing
- Suitable for a very wide range of applications



FORMULA L1 TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear (Customizable)		DP	0.12	(Slope of cure-design vs. ln (E) curve)
Viscosity	583 cps	@25.1 °C	Density	1.120 g/cm ³	@25°C (77°F)

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	2956 MPa
ASTM D 638	Tensile Strength at Break	55.67 MPa
ASTM D 638	Elongation at Break	8.80%
ASTM D 648 @ 66PSI	Heat Deflection Temperature	50°C
ASTM D 790	Flexural Strength	67.89 Mpa
ASTM D 790	Flexural Modulus	2682 Mpa
ASTM D 256	Izod Impact (Notched)	42.66 J/m
ASTM D 2240	Hardness Shore D	82

*These values may vary and depend on individual machine processing and post-curing practices.