

**SHINING 3D®**

S1

Suitable for General Purposes

- High precision
- Good detail
- Easy to print
- Balanced strength and toughness

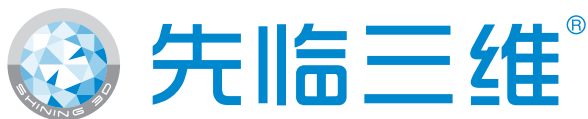


S1

General Properties	Method	Typical Values
Appearance	--	White
Wavelength	--	405nm
Viscosity @ 25 °C	ASTM D2393	394 mPas
Density (printed part)	ASTM D792	1.00~1.20 g/cm ³
Density (liquid resin)	ASTM D4052-18a	1.00~1.20 g/cm ³

Machanical Properties	Method	Typical Values
E Modulus	ISO 527	1954 MPa
Ultimate Tensile Strength	ISO 527	38 MPa
Elongation at Break	ISO 527	8%
Flexural Modulus	ISO 178	2049 MPa
Flexural Strength	ISO 178	74MPa
Hardness	ISO 868	82 D
HDT at 0.45 MPa	ISO 75	54.7°C
HDT at 1.82 MPa	ISO 75	46.6°C

Post Processing	Value
Cleaning time	8 mins
Recommended curing time	10 mins per side



S1

工业通用型树脂

- 精度高
- 细节清晰
- 易于成型
- 均衡的强度与韧性



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基础性能	测试标准	典型值
材料颜色	--	白色
引发波长	--	405nm
粘稠度@25℃	ASTM D2393	394 mPas
固态树脂密度	ASTM D792	1.00~1.20 g/cm3
液态树脂密度	ASTM D4052-18a	1.00~1.20 g/cm3

力学性能	测试标准	典型值
弹性模量	ISO 527	1981 MPa
最大拉伸强度	ISO 527	45 MPa
断裂伸长率	ISO 527	4.9%
弯曲模量	ISO 178	2895 MPa
弯曲强度	ISO 178	93 MPa
表面硬度	ISO 868	87 D
HDT at 0.45 MPa	ISO 75	--
HDT at 1.82 MPa	ISO 75	--

后处理方案	数值
清洗时间	8分钟
后固化时间	每面10分钟紫外光固化