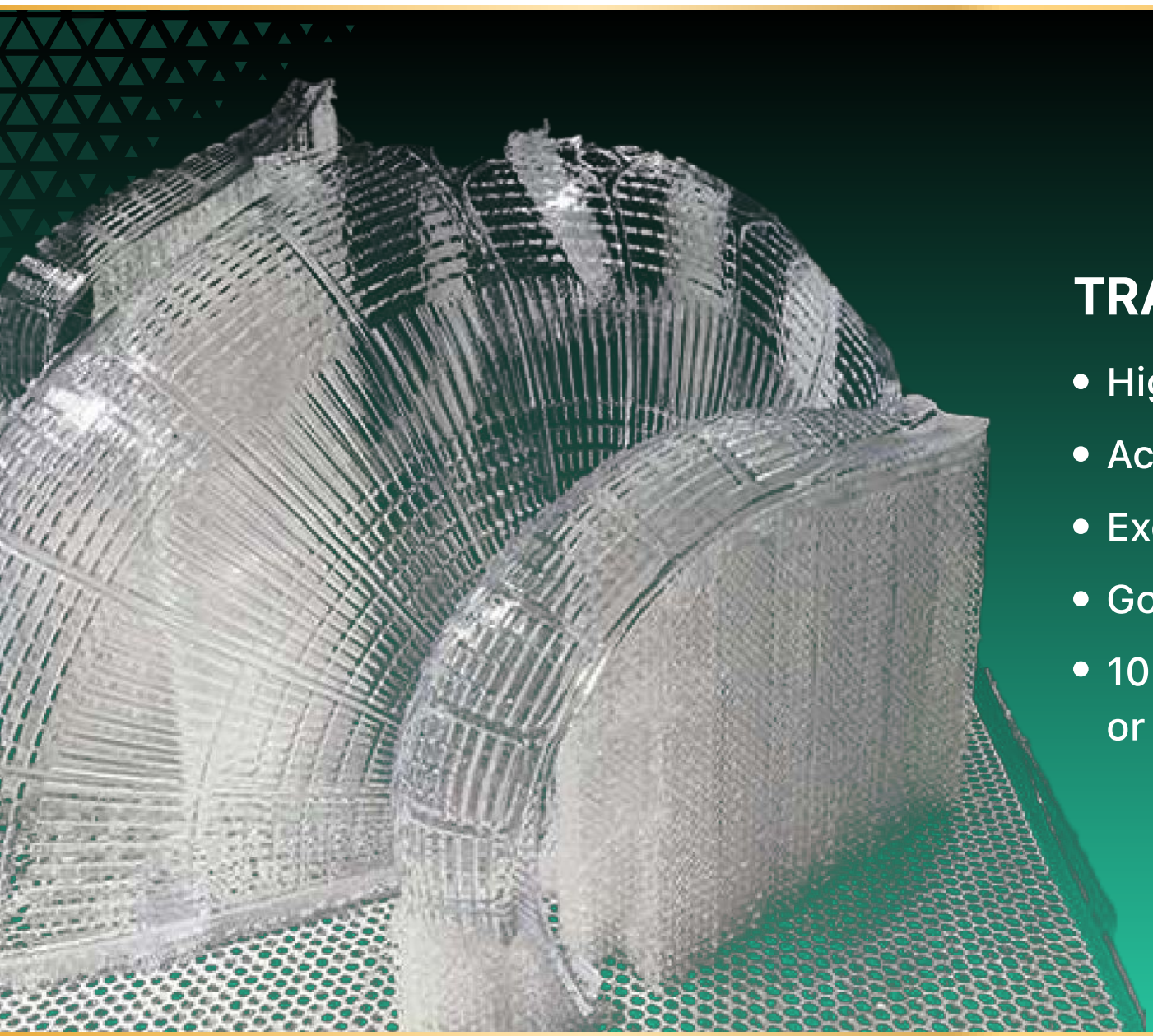
ADDITIVE +

Kings 3D Printing

SLA UV RESIN KS158T



TRANSPARENT UV RESIN

- High strength and strong toughness
- Accurate and dimensionally stable
- Excellent temperature resistance
- Good moisture resistance
- 100% compatible with any Desktop or Large SLA System.

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MATERIAL OVERVIEW

KS158T is an optically transparent SLA resin for quickly prodcuing clear, functional and accurate parts with acrylic appearance. It's fast to build and easy to use. The ideal application is transparent assemblies, bottles, tubes, automotives lenses, lighting components, fluid flow analysis and etc., and also tough funcitonal prototypes.

IDEAL APPLICATIONS

- Automotive lenses
- Bottles and tubes
- Tough functional prototypes
- Transparent display models
- Fluid flow analysis

TECHNICAL DATASHEET

LIQUID PROPERTIES		OPTICAL PROPERTIES	
Appearance	Clear	Dp	0.135-0.155 mm
Viscosity	325-425 cps @ 28 °C	Ec	9-12 mJ/cm2
Density	1.11-1.14g/cm3 @ 25 °C	Building layer thickness	0.1-0.15mm

MECHANICAL PROPERTIES		UV POSTURE
MEASUREMENT	TEST METHOD	VALUE
Hardness, Shore D	ASTM D 2240	72-78
Flexural modulus, Mpa	ASTM D 790	2,680-2,775
Flexural strength, Mpa	ASTM D 790	65- 75
Tensile modulus. MPa	ASTM D 638	2,170-2,385
Tensile strength, MPa	ASTM D 638	25-30
Elongation at break	ASTM D 638	12-20%
Impact strength, notched lod, J/m	ASTM D 256	58 - 70
Heat deflection temperature. C	ASTM D 648 @66PSI	58-68
Glass transition, Tg, C	DMA, E'peak	55-70
Density, g/cm3		1.14-1.16

Additive Plus (A Plus Industrial LLC) | +1 (888) 797-7784 | +1 747 351-1640 | info@additiveplus.com | www.additiveplus.com

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