



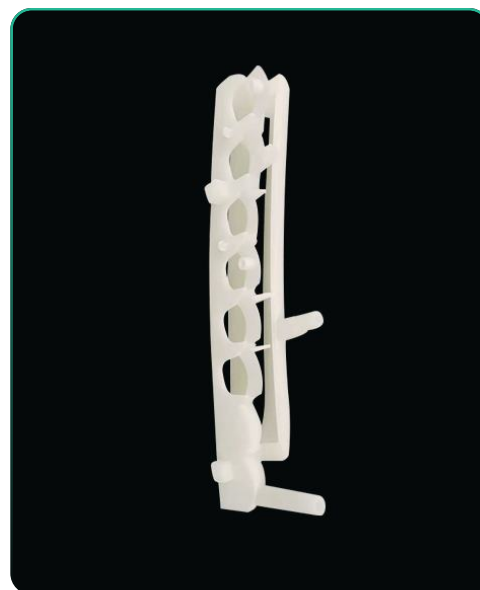
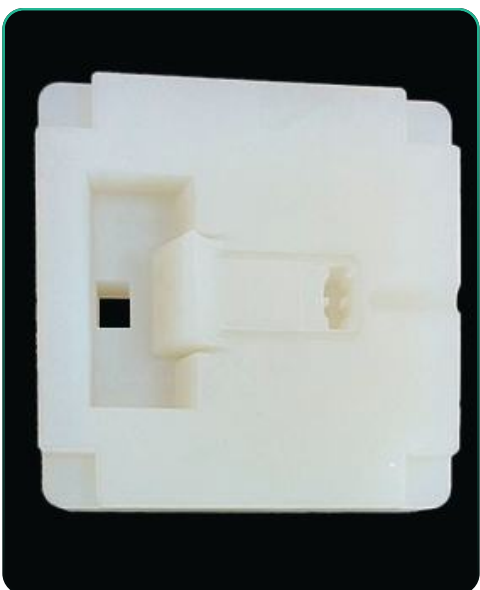
ADDITIVE +



HEATSHIELD1200 KS1208H

UV RESIN KS1208H

- High temperature resistance
- Excellent dimensional stability
- High strength and accuracy



MATERIAL OVERVIEW

KS1208H is a high temp resistant SLA resin with low-viscosity in semitranslucent color. The part can be used with a temperature around 120°C. For instantaneous temperature it is resistant to above 200°C. It has good dimensional stability and fine surface details, which is perfect solution for parts requiring resistance to heat and humidity, and it's also applicable for quick mold with certain material in small batch production.

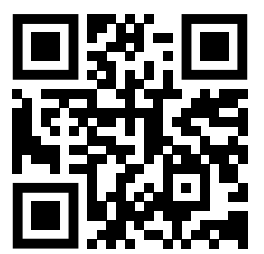
IDEAL APPLICATIONS

- Prototypes need high-temp resistance
- Quick mold

TECHNICAL DATASHEET

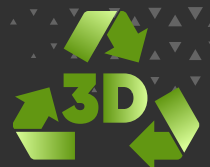
LIQUID PROPERTIES		OPTICAL PROPERTIES		
Appearance	Semi-translucent	Dp	0.115 mm	[slope of cure-depth vs. ln (E) curve]
Viscosity	340 cps @ 28 °C	Ec	13.5 mJ/cm ²	[critical exposure]
Density	1.14g/cm ³ @ 25 °C	Building layer thickness	0.08-0.12mm	0.08-0.12mm

MECHANICAL PROPERTIES			UV POSTCURE	
TEST ITEMS	TEST METHOD	NUMERICAL VALUE	TEST METHODS	NUMERICAL VALUE
Tensile Strength	ASTM D 638	65MPa	GB/T1040.1-2006	71MPa
Elongation at break	ASTM D 638	3-5%	GB/T1040.1-2006	3-5%
Bending strength	ASTM D 790	110MPa	GB/ T9341-2008	115MPa
Flexural modulus	ASTM D 790	2720MPa	GB/ T9341-2008	2850MPa
Izod notched impact strength	ASTM D 256	20J/m	GB/T1843-2008	25J/m
Shore hardness	ASTM D 2240	87D	GB/T2411-2008	87D
Glass transition temperature	DMA, tan θ peak	135°C	58 - 70	58 - 70
Thermal expansion coefficient(25-50°C)	ASTME831-05	50 μ m/m°C	GB/T1036-89	50 μ m/m°C
Thermal expansion coefficient(50-100°C)	ASTME831-05	150 μ m/m°C	GB/T1036-89	160 μ m/m°C



Additive Plus combines technology, expertise, and a personal touch to deliver various 3D printing services and products: 3D printers, 3D scanners, atomizers, industrial vacuums, laboratory and analytical instruments, industrial machinery, furnaces, software, materials and many more. Local engineering and maintenance team. Flexible payments terms available. We aim to empower everyone to live their additive journey effectively.

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



Sustainable
3D Manufacturing