



BULLTECH

Additive Manufacturing Solution

SLA Materials

Laser makes manufacturing easier



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	Color: White	6001
PHYSICAL PROPERTIES - Liquide Material	Appearance	White
	Density	1.13g/cm ³ @25°C
	Viscosity	355 CPS@28°C
	Dp	0.145 mm
	Ec	9.3 mJ/cm ²
Mechanical Properties of Post-Cured Material (90-minute UV post-cure)	Hardness, Shore D	84
	Flexural modules, Mpa	2,673-2,781
	Flexural strength, Mpa	68-75
	Tensile modulus, Mpa	2,167-2,402
	Tensile strength, Mpa	26-32
	Elongation at break	12-21%
	Impact strength, noticed Izod, J/m	57-71
	Heat deflection temperature, °C	52
	Glass transition, Tg °C	63
	Coefficient of thermal expansion, /°C	97*E-6
	Density, g/cm ³	1.16

Disclaimer:

- 1、 These parameters may vary and depend on individual machine processing and post-curing practices
- 2、 Use temperature and storage temperature of 6001 should not be too high, please use below 25 degrees Celsius. The recommended temperature for use and storage is 18-25 degrees Celsius.



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	Color: Light yellow	6005
PHYSICAL PROPERTIES - Liquid Material	Appearance	Light yellow
	Density	1.11-1.15 g/cm ³ @25°C
	Viscosity	450-530 CPS@27°C
	Dp	0.14-0.16 mm
	Ec	7.1 ~ 8.1 mJ/cm ²
Mechanical Properties of Post-Cured Material (90-minute UV post-cure)	Hardness, Shore D	76~91
	Flexural modulus, Mpa	2,683-2,781
	Flexural strength, Mpa	72-77
	Tensile modulus, Mpa	2,641-2,783
	Tensile strength, Mpa	43-57
	Elongation at break	7-13%
	Poisson's Ratio	0.41-0.46
	Impact strength notched Izod, J/m	27 - 41
	Heat deflection temperature, °C	72~86
	Glass transition, Tg, °C	79 - 96
	Coefficient of thermal expansion, /°C	84 ~ 98 *E-6
	Density, g/cm ³	1.12 ~ 1.18
	Dielectric Constant 60 Hz	4.2 ~ 5.1
	Dielectric Constant 1 KHz	3.4 ~ 4.2
	Dielectric Constant 1 MHz	3.1 ~4.2
Dielectric Strength kV/mm	12.5 ~ 16.8	

Disclaimer:

- 1、 These parameters may vary and depend on individual machine processing and post-curing practices
- 2、 Use temperature and storage temperature of 6005 should not be too high, please use below 25 degrees Celsius. The relative humidity of use and storage must be below 38RH%.



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	Color: Clear	6008
PHYSICAL PROPERTIES - LIQUID MATERIAL	Appearance	Clear
	Density	1.12 g/cm ³ @25°C
	Viscosity	312 ~ 420 CPS@25°C
	Dp	0.18 mm
	Ec	7.7 v, -mJ/cm ²
MECHANICAL PROPERTIES OF POST-CURED MATERIAL (90-MINUTE UV POST-CURED)	Hardness, Shore D	83
	Flexural modulus, Mpa	2,670-2,870
	Flexural strength, Mpa	75-84
	Tensile modulus, Mpa	2,590-2,760
	Tensile strength, Mpa	44-62
	Elongation at break	7-11%
	Impact strength, noticed Izod, J/m	27-38
	Heat deflection temperature, °C	40 ~ 51
	Glass transition, Tg, °C	42 ~ 58

Disclaimer:

Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Bulltech makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations.

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