

SH8900-H TECHNICAL DATA SHEET

Physical Properties – Liquid Status

Appearance	White
Density	1.11~1.15g/cm ³ @ 25 °C
Viscosity	405~500 cps @ 25 °C
DP	0.135~0.152 mm
EC	8.9~9.5 mJ/cm ²
Building layer thickness	0.05~0.12mm

Mechanical Properties of Post-Cured Parts

MEASUREMENT	TEST METHOD	VALUE
	90-minute UV post-cure	
Hardness, Shore D	ASTM D 2240	77~88
Flexural modulus, MPa	ASTM D 790	2,682-2,778
Flexural strength, MPa	ASTM D 790	70- 74
Tensile modulus, MPa	ASTM D 638	2,599-2,715
Tensile strength, MPa	ASTM D 638	40-58
Elongation at break	ASTM D 638	12 -19%
Poisson`s Ratio	ASTM D 638	0.4-0.44
Impact strength notched Izod, J/m	ASTM D 256	35 - 45
Heat deflection temperature, °C	ASTM D 648 @66PSI	55~68
Glass transition temperature °C	DMA, E" peak	60~75
Coefficient of thermal expansion,/°C	TMA(T<Tg)	90~102*E-6
Density, g/cm ³		1.12~1.18
Dielectric Constant 60 Hz	ASTM D 150-98	4.1~5.0
Dielectric Constant 1 kHz	ASTM D 150-98	3.2~4.2
Dielectric Constant 1 MHz	ASTM D 150-98	3.2~4.1
Dielectric Strength kV/mm	ASTM D 1549-97a	12.7~16.2