



UVA4103 Medical Grade UV Cure Acrylic Adhesive

UVA4103 is an acrylic adhesive/sealant, formulated for fast cure even under low power UV lamp systems while providing minimal shrinkage. UVA4103 adapts itself to use with automated or manual dispensing equipment. Through cure to 1/8" can be accomplished in less than 30 seconds with a 15 mW/cm² medium pressure Hg UV lamp. The adhesion of UVA4103 to substrates such as polycarbonate, styrene, acrylic, PVC steel, brass, aluminum, glass, tinned copper wire, epoxy and phenolic is excellent.

Typical Physical Properties:

Color:	Clear Liquid
Viscosity:	1,000 cps.
Specific Gravity at 23°C:	1.13
Refractive Index [RI _{n=20}]:	1.4816
Cured Shore hardness:	D-65
Glass Transition Temperature [T _g] by DSC:	18°C
USP Class VI Intracutaneous Injection:	Passes
PVC to PVC Tear Test:	Substrate Failure
Gel Time: Depth of cure of 0.125" under 500 mW/cm ² med. press. Hg lamp	<5 seconds
Tensile Strength:	1,450 psi
Elongation:	16%, ASTM Die C
Shrinkage upon thin film cure:	1.8%

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