



UVA4110 UV Cure Acrylic Adhesive/Sealant

UVA-4110 is an acrylic adhesive/sealant, formulated for fast cure even under low power UV lamp systems while providing minimal shrinkage. UVA-4110 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 UVA-4110 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:	10,000 – 12,000 cps
Specific Gravity at 23°C:	1.13
Refractive Index [RI _{n=20}]:	1.4816
Glass Transition Temperature [T _g] by DSC:	18°C
Cured Shore D Hardness [instantaneous / 15 seconds]:	D-70
PVC to PVC Tear Test:	Substrate Failure
Gel Time:	<5 seconds
Depth of cure of 0.125" under 500 mW/cm ² med. press. Hg lamp	
Tensile Strength:	1,450 psi
Elongation:	16%, ASTM Die C
Shrinkage upon thin film cure:	1.8%

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