



UV525D UV Cure Acrylic Doming Resin

UV525D is an acrylic doming resin, formulated for fast cure even under low power UV lamp systems while providing minimal shrinkage. UV525D 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 UV525D 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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