

STAR Technology

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UVA4103-10 = Z-133-4

Fast Tack Medical Grade UV Cure Acrylic Adhesive

DESCRIPTION

UVA4103-10 is a low viscosity acrylic adhesive, formulated for fast cure even under low power UV lamp systems while providing minimal shrinkage. **UVA4103-10's** low viscosity adapts itself to use with automated or manual dispensing equipment. Thorough cure to 1/8" can be accomplished in less than 30 seconds with a 100 mW/cm² UV lamp.

UVA4103-10 demonstrates excellent adhesion to substrates such as *PVC, steel, brass, aluminum, glass, tinned copper wire, epoxy and phenolic*. This product can be formulated at different viscosities.

UVA4103 at 2500 cps and anti-foam

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

TYPICAL PROPERTIES

	TEST METHOD	VALUE
Cure Time (seconds):		<15
[to 0.125" depth of cure under 30 mW/cm ² med. press. Hg lamp]:		
Shore D Hardness:	ASTM D2240	65
Lap Shear [Glass to Glass] (psi):	ASTM D1002	>250
Tensile Strength (psi):	ASTM D638	1450
Elongation (%):		16
Tg (° C): by TMA	ASTM D3418	86
CTE		
α ₁ (μm/(m°C))		178
α ₂ (μm/(m°C))		228
Shrinkage upon thin film cure (%):		1.8
Refractive index [n ₂₀]:		1.4816
Product:		
Specific Gravity (g/cc):	ASTM D1475	1.042
Viscosity (cps):	ASTM D2393	2500
Color:		Colorless

PRECAUTIONS

For industrial use only. Keep away from children.

Refer to the Material Safety Data Sheets (MSDS forms) pertaining to this product before using.

Avoid contact with skin or eyes. In the event of an eye splash or contact, immediately flush with cold water for 15 minutes and contact a physician. If skin contact occurs, wash with mild soap and water. The wearing of safety glasses with side shields and impervious gloves is recommended.

PRODUCT WARNING STATEMENT

May cause allergic skin reaction. Avoid all contact with skin, eyes, and clothing. Wash thoroughly after handling.

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.