

U3334 TECHNICAL DATA SHEET

U3334 is a high-viscosity UV-curable adhesive designed to bond well on a variety of substrates. It shows particular effectiveness on polycarbonate, glass and PET/PETG. Its high elongation and flexibility make it well-suited for applications requiring vibration or impact resistance.

Physical Properties - Monomer (Uncured)

Base Compound	Modified Acrylate
Appearance	Light Straw Liquid
Viscosity	6000+/- 2000 cps
Shelf Life	9 months
Storage Condition	8°C to 21°C in darkness
RoHS-Compliant	Yes

Physical Properties - Polymer (Cured)

Setting Time*	< 3 seconds
Full Cure Time	24 hours
Appearance	Colorless solid
Tack-Free Surface?	Yes
Elongation	400%
Shore Hardness	70 (Shore A) 32 (Shore D)
Optimal Wavelength	300 to 420 nm

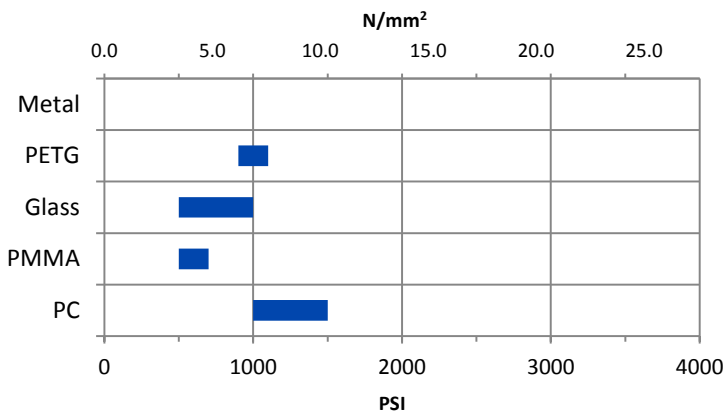
*Polymerized @ 395nm @ 50mW/cm²

Performance of Cured Adhesive

Substrate	N/mm ²			PSI		
	n/r	to	n/r	n/r	to	n/r
Metal	n/r	to	n/r	n/r	to	n/r
PETG	6.2	to	7.6	900	to	1100
Glass	3.4	to	6.9	500	to	1000
PMMA	3.4	to	4.8	500	to	700
PC	6.9	to	10.3	1000	to	1500

* n/r = not recommended for use on this substrate

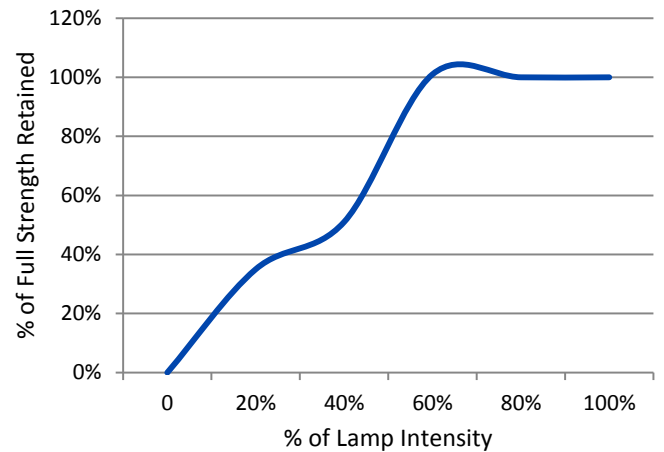
Performance Range, by Substrate



Specifications and Approvals

None

% Strength Retained @ Given Dosage



Solvent Resistance

Solvent	Example	Resistance
Alcohol	Ethanol, Methanol	+++
Ester (aromatic)	Ethylacetate	---
Ketone (aromatic)	Acetone, Benzophenone	---
Aliphatic hydrocarbon (alkanes)	Petrol, Heptanes, Hexane	+-
Aromatic hydrocarbons	Benzyl, Toluol, Xylol	+-
Halogenated hydrocarbons	Methylenchloride, Chloroform, Chlorobenzol	---
Weak aqueous acid	Nitrite, muriatic acid, sulphuric acid, phosphoric acid	+++ (--- if concentrated)
Weak aqueous base	sodium hydroxide solution, caustic potash	+++ (--- if concentrated)

General Instructions

Surfaces to be bonded should be clean and dry. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film layer after compression. Press parts together and expose to UV dose when ready. An adequate bond should develop rapidly, depending on UV dose efficacy, and maximum strength is attained in 24 hours. Wipe off excess adhesive from the top of the container and recap. Products, if left uncapped or exposed to sunlight, may deteriorate or cure prematurely.

Curing Performance

Photoinitiation initiates the curing process. Handling strength is reached in a short time, and will vary based on UV dose efficacy, environmental conditions, bond line gap, and other factors. Product will continue to cure for at least 24 hours before full strength and solvent resistance is developed.

Storage

Products should be stored unopened in a cool, dry place out of direct sunlight. Products should be kept at room temperature away from direct light. Protect from extreme heat or cold, do not refrigerate.

Note

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For safe handling information on this product, consult the Safety Data Sheet (SDS)

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