

**KEOL****UV ADHESIVE****KEOL-UV LOCA 622 DAM**

**KEOL-UV LOCA 622 DAM** has been specially designed for adjusting the layer thickness in display bonding applications. It is a transparent photosensitive acrylic-based resin. Single-component, its application is very simple. Its great flexibility allows it to compensate for differential expansion forces between the assembled parts.

- **FLEXIBLE AND SHOCK RESISTANT**
- **HIGH TEMPERATURE RESISTANCE**
- **IDEAL FOR GLASS BONDING**
- **HIGH VISCOSITY**

CHEMICAL BASIS	Urethane Acrylate
CURING	UV
COLOR	Colorless
HARDNESS	45 Shore 00

PROPERTIES		KEOL-UV LOCA 622 DAM				
Chemical basis		Urethane acrylate				
Color		Colorless clear				
Viscosity @23°C Brookfield (mPa.s)		110 000 - 150 000				
Specific gravity @20°C (g/cm³)		1,04				
Absorption wavelength (nm)		365-405				
UV Curing parameters	Thickness (mm)	Wavelength (nm)	Curing time (s)	Intensity (mW/cm²)	Energy (mJ/cm²)	Conversion rate (%)
	0,15-0,35	365-385	12	200	2400	100
	0,60	405	12	200	2400	100
Cross Link tensile test (MPa) Verre/verre (t+24h)		0,14				
Hardness shore 00		45				
Index of refraction (cured)		1,479				
Range of temperature		-40°C à +120°C				
Shelf-life (months)		9				

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## UV ADHESIVE



### SURFACE PREPARATION

The strength and durability of joints depend on proper pretreatment of the surfaces to be bonded. At a minimum, the bonded surfaces should be cleaned with a good degreaser to remove all traces of dust, dirt, oil or grease. The pretreatment of thermoplastic materials such as PVC, polycarbonate, polypropylene, PMMA, etc., can be made using a light blend of ethers or isopropanol. Strong solvents are not recommended as they may damage plastic surfaces. For any other surface, acetone or trichlorethylene can be used for pretreatment. Never use petroleum or any other solvent. When possible, perform mechanical abrasion to remove paint from surfaces (if necessary) and to increase adhesive strength and retention. Allow the pretreated surface to dry before applying the adhesive.



### PRODUCT PACKAGING

**LOCA 622 DAM** is available in black syringes of 30 cc and 600cc.



### NOTE

The information, and particularly the recommendations regarding application and KEOL products, are given to you in good faith and are based on current knowledge and experience of the products having been properly stored, handled and applied under normal conditions. KEOL cannot take responsibility for the results obtained by others since we have no control over their method. It is up to the user to determine the suitability of the products for the specific application for any production methods mentioned in this document. Also, it is up to the user to adopt the necessary precautions as recommended for the protection of the establishment and people against any kind of risk that could arise during the handling and use of the products. KEOL cannot assume all warranties mentioned or implied, including warranties of merchantability or fitness for a specific purpose, arising from the sale or use of KEOL products. KEOL cannot assume liability for incidental consequences or damages of any kind, including lost profits. Users should always refer to the most recent edition of the technical data sheet or material safety data sheet for the product concerned. Copies of those documents will be provided upon request.