

KEOL**UV ADHESIVE****K-LITE FLEXTRONICS**

K-LITE FLEXTRONICS has been specially formulated to encapsulate and protect flexible printed circuits. It is both flexible and ductile, conforms to bending and flexing without generating stress at the interface.

As a single-component fluid, it is easy to apply to all types of substrate. It also provides excellent peel strength on polyimide films (Kapton®).

- **SINGLE-COMPONENT**
- **FAST CURE**
- **HIGH ELONGATION / FLEXIBILITY**
- **HIGH TEMPERATURE HOLD**

CHEMICAL BASIS

Acrylate

CURING TIME

10 seconds

COLOR

Clear

HARDNESS

30 A

PROPERTIES

UNITS

K-LITE FLEXTRONICS

Chemical basis

Urethane Acrylate

Viscosity Brookfield at 23°C

mPa.s

1 500

Specific gravity at 20°C

1,04

Color

Clear slightly yellow

Wavelength

nm

385-405

Curing time (0,2mm)

s

10

Irradiation power

mW/cm²

350

Tensile strength (ISO 527-1)

MPa

2

Elongation at break (ISO 527-1)

%

350

Shear Test (EN 1465)

PC/PC

MPa

3

PMMA/PMMA

MPa

2

PI / PMMA

MPa

2

Hardness

Shore A

30

Temperature range

°C

-40 à +120

Complete curing after

Hours

24

THE BONDING KEY !

KEOL

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

KEOL K-LITE FLEXTRONICS is available in black syringes of 30cc and 600cc.

STORAGE

The shelf life of the **KEOL K-LITE FLEXTRONICS** is up to 6 months in its original unopened packaging. The product can be stored in a closed container in a dry place at a temperature between 15 °C and 25°C. Exposure to higher or lower temperatures will result in a reduction of the stated shelf life



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.