

Description

Adhesive curing in seconds through exposure to ultraviolet light. High viscosity allows to fill large gaps, while maintaining an high transparency. Forms a flexible adhesive film resistant to thermal elongations, shocks and vibrations. Suitable for bonding of glass/glass and metal/glass assemblies where transparency is an important parameter.

Physical properties

| | |
|------------------------------|--|
| Composition : | acrylic urethane resins |
| Colour : | clear/colourless |
| Viscosity at+ 25°C (mPa s) : | 20.000 - 30.000 |
| Specific weight (g/ml) : | 1,10 |
| Curing time UV (365 nm) : | 5 - 10 seconds |
| Gap to fill : | 0,03mm / 2 mm |
| Flash point : | > +100°C |
| Shelf life : | 1 year at +25°C in original unopened packaging |

Curing properties

To obtain the best features, clean and dry parts to bond. The polymerization depends on the UV lamp radiation, on the distance from the lamp, on the thickness of the adhesive applied, on the light permeability of the pieces to bond and on geometry of the joint.

We recommend to use UV lights able to produce UV waves between 365 nm and 420 nm at 100mW/cm².

We recommend to cool the area irradiated with UV lamp while using thermoplastic materials.

Properties of cured adhesive (typical)

| | |
|------------------------------------|--------------------------|
| *Tensile strength (ASTMD2095-69) : | 5 - 10 N/mm ² |
| *Tensile at break (DIN 53504) : | 12 -18 N/mm ² |
| *Elongation at break (DIN 53504) : | 100 - 150% |
| *Temperature range : | -55°C/+120°C |
| * Refractive Index : | 1,478 |
| * Light transmittance : | >98% |
| * Hardness(Shore D) : | 60 - 75 |

Storage

Store the material in a cool and dry place at temperature not exceeding +25°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxeal Technical Service

Safety and handling

Consult Material Safety Data Sheet before use.

Note

The data contained herein, obtained in Loxeal laboratories, are given for information only; if specifics are required, please contact Loxeal Technical Department. Loxeal ensures abiding quality of supplied products according to its own specifics. Loxeal cannot assume responsibility for the results obtained by others which methods are not under Loxeal control. It is user's responsibility to determine suitability for user's purpose of any product mentioned herein. Loxeal disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loxeal products. Loxeal specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.