

Description

Fast curing, flexible, shock resistant, Ultra Violet curing adhesive. Specially designed for glass to plastic and metallized plastics (ABS) or glass to metal bonding as well as glass to glass application.
For its good optical clarity is ideal for bonding of decorative parts, bonbonnières and furnishing accessories.

Physical properties

Composition : methacrylate ester
Colour : transparent / opaque
Viscosity (+25°C - mPa s) : gel like paste
Specific weight (g/ml) : 1,1
Curing time UV (365 nm) : 8 - 15 seconds
Gap to fill : from 0,03 mm to 2,5 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.

Curing time may vary according to adhesive gap.

Properties of cured adhesive

* Hardness Shore D : 50 - 60
* Tensile strength (ASTM D-2095-69) : 4 - 8 N/mm²
* Temperature range : -55°C/+120°C
* Refractive index : 1,49
* Light transmittance : > 98%
* Coefficient of thermal expansion : 85×10^{-6} mm/mm/°C
* Dielectric constant (+25°C 1000 Hz) : 4
* Dielectric strength : 10 - 12 kV/mm

Storage

Keep product in a cool and dry room at a 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

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