

Description

Fast curing, high strength Ultra Violet curing adhesive. Specially designed for glass to glass or glass to metal bonding. For its good optical clarity is ideal for bonding of precious crystals.

Physical properties

Composition :	methacrylate ester
Colour :	clear/colourless
Viscosity (+25°C - mPa s) :	5.500 - 7.500
Specific weight (g/ml) :	1,10
Curing time UV (365 nm) :	6 - 10 seconds
Gap to fill :	0,03 mm / 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 polymerisation UV is belonging to the intensity of the UV lamp, to the distance from the UV light source, to the bondline gap and to the light transmittance of the substrate the light shall pass through. We recommend high intensity UV light sources with minimum radiation between 365 nm and 420 nm at 100mW/cm². curing time may vary according to adhesive gap.

Properties of cured adhesive

* Tensile strength (ASTM D-2095-69) :	8 - 12 N/mm ²
* Hardness (Shore D) :	50 - 65
* Elongation at break :	80 - 100%
* Temperature range :	-55°C/+120°C
* Refractive index :	1,49
* Light transmittance :	> 98%
* Coefficient of thermal expansion :	85 x 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 no more than +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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