

Description

Fast curing, high strength Ultra Violet adhesive. It provides a flexible and tough plastic film and it's specially designed for glass to glass or glass to metal bonding.

Physical properties

Composition :	Urethane metacrylate
Colour :	clear, colourless
Viscosity (+25°C - mPa s) :	2.200 - 2.900
Specific weight (g/ml) :	1,1
UV curing time :	8 - 15 seconds
Gap filling :	0.03 mm / 2 mm
Flash point :	> +100°C
Shelf life :	12 months at +25°C in original unopened packaging

Polymerization features

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

Tensile strength (ASTM D-2095-69) :	12 - 16 N/mm ²
Elongation at break (DIN 53504) :	60 - 100%
Hardness (Shore D) :	60 - 75
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

We recommend to store product in a cool and dry place at temperature non 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 the Safety Data Sheet before use

Note

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