

Description

Medium viscosity UV curable adhesive developed for use as a doming and coating. Tack free in seconds. Suitable for encapsulating electronic components, designed for low power curing systems. It provides a protective colourless film after exposure at high temperature with no shrinkage behavior; its thermal resistance for short periods (thermal shock up to +270°C) allows to sustain wave soldering.

Physical properties

Composition :	acrylic resins
Colour :	clear/colourless
Viscosity at + 25°C (mPa s) :	1000 - 1600
Specific weight (g/ml) :	1,09
Fixture time UV (365 nm) :	3 - 4 seconds
Tack free time (100mW/cm ²) :	4 - 5 seconds
Gap filling :	30 - 100 microns
Flash point :	> +100°C
Shelf life :	1 year 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 (typical)

*Tensile at break (DIN 53504) :	8 -15 N/mm ²
*Elongation at break (DIN 53504) :	50 - 100%
*Temperature range :	-55°C/+120°C
* Refractive Index :	1,484
* Light transmittance :	>98%
* Hardness(Shore D) :	50 - 65

Storage

Store the material in a cool and dry place at temperature of +5°C/+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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