

LOXEAL UV 3620

Description

UV flexible curing adhesive, medium viscosity, forming in seconds an in-place durable gasket by exposure to ultraviolet light (UVA). Recommended for sealing and protecting electronic devices, bonding electronic components as in the assembly of displays for LCD. Main substrates combinations are glass to glass and glass to plastics. High resistant to compression due to its soft consistency.

Physical properties

Composition :	modified acrylic resins
Colour :	clear, colourless
Viscosity at +25°C (mPa s) :	2000 - 6000 (Brookfield)
Specific weight (g/ml) :	1,10
Curing time UV (365 nm) :	10 - 15 seconds
Cure depth (ab. 35mW/cm ²) :	4 - 5 mm/30s
Flash point :	> +100°C
Shelf life :	6 months in original unopened packaging

Curing properties

For better strength and durability we recommend to clean, degrease and dry surfaces to bond. The polymerisation UV is belonging to the intensity of the UV lamp, to the distance from the UV light source, to the bond line 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)

*Appearance (Hazen/APHA) :	10 (NSH disc)
*Tensile at break (DIN 53504) :	0,3 - 1,0 N/mm ²
*Elongation at break (DIN 53504) :	800 - 1200 %
*Temperature range :	-55°C + 150°C
*Refractive index :	> 1,485
*Light transmittance :	> 99%
*Hardness (Shore 00) :	35 - 50

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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