

LOXEAL INSTANT ADHESIVE 25

Description

Medium to high viscosity, medium setting speed, instant adhesive based on ethyl cyanoacrylate. Designed for bonding irregular surfaces of plastic, rubber, metal, ceramic.

Physical properties

Composition:	ethyl cianoacrylate
Colour :	clear
Viscosity (25°C –mPa.s):	350 - 450
Specific weight (g/ml):	1,07
Gap to fill:	10 – 150 microns
Flash point (ISO 2592):	87°C
Temperature range:	-50°C +80°C
Shelf life :	12 months
For better storage, keep in refrigerator	

Curing properties

Curing rate depends on the substrate used, on the gap, on the temperature and on the environmental humidity.

<u>Substrate</u>	<u>Fixturing Time (seconds)</u>
Plastics	
* PVC:	3 - 10
* Phenolic Resin:	5 - 20
* ABS:	10 - 30
Metals	
* Steel:	10 - 30
* Aluminium:	5 - 15
* Zinc:	30 - 90

Various substrates

*Neoprene/NBR :	< 5
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Proprieties of cured material

Tensile strength ASTM D 2095 (N/mm ²):	18 - 23
Shear strength ISO 4587 (N/mm ²):	13 - 18
Impact strength ASTM D 950 (N.mm/mm ²):	15 - 20
Softening range:	160°C – 170°C
Refraction index n ²⁰ D:	similar to glass
Electrical resistivity DIN 53482 (Ω.mm):	>10 ¹⁵
Dielectric strength ASTM D 950 (kV/mm):	25
Dielectric constant DIN 53483 (1MHz):	5,2

Directions for use

Clean and degrease parts to bond with Loxeal Cleaner 10. Excess of product can be removed with Loxeal CA Remover.

Storage

We recommend to store product in a cool and dry place at temperature non exceeding +20°C. For better and enhanced shelf life, keep product in a refrigerator at +3 /+8°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.

Note

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