

### Description

Loxel Istant 52 is a fast setting modified ethyl cyanoacrylate adhesive, with improved temperature resistance and low viscosity. Specifically suitable for bonding rubbers, plastics and metals where prolonged heat exposure is required. Temperature resistant up to +180°C.

### Physical properties

Composition :	modified ethyl cyanoacrylate
Colour :	clear/colourless
Viscosity (+25°C - mPa s) :	80 - 110
Specific weight (g/ml) :	1,06
Gap to fill :	10 - 150 microns
Flash point :	+87°C
Shelf life :	12 months in original unopened packaging
Temperature range :	-55°C +180°C

### Curing properties

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

<u>Substrate</u>	<u>Fixture Time (seconds)</u>
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#### Plastics

* PVC :	3 - 10
* Phenolic Resin :	5 - 20
* ABS :	10 - 30

#### Metals

* Steel :	10 - 30
* Aluminium :	20 - 40
* Zinc :	30 - 90

#### Various substrates

* Neoprene/NBR :	3 - 8
* Nitrile Rubber :	3 - 8

In case of too long setting time we recommend to use Loxel Activator 9. IN case of usage with PE ,PP, Silicone rubbers or PTFE Loxel Primer 7 is always recommended.

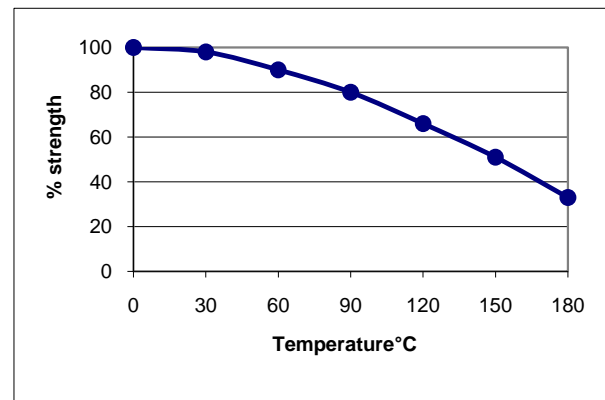
### Proprieties of cured material (typical performances)

Tensile strength ISO 6922 (N/mm <sup>2</sup> ) :	18 - 25
Shear strength ISO 4587 (N/mm <sup>2</sup> ) :	18 - 25
Coefficient of thermal expansion :	90 x 10 <sup>-6</sup> mm/mm °C

### Environmental resistance

The graph below shows the mechanical strength of the product (%) vs. temperature.

Specimen steel - ISO 4587



### Directions for use

Clean and degrease parts to bond with Loxel Cleaner 10. Excess of product can be removed with Loxel 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 +2°C/+7°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxel Technical Service

### Safety and handling

Consult Material Safety Data Sheet before use.

### Note

The data contained herein, obtained in Loxel laboratories, are given for information only; if specifics are required, please contact Loxel Technical Department. Loxel ensures abiding quality of supplied products according to its own specifics. Loxel cannot assume responsibility for the results obtained by others which methods are not under Loxel control. It is user's responsibility to determine suitability for user's purpose of any product mentioned herein. Loxel disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loxel products. Loxel specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.