SOLUTIONS Élastomères

LOCTITE 330 ™

- **PRODUCT DESCRIPTION**

LOCTITE 330™ is a general-use adhesive for metals, wood, ferrites, ceramics and plastics.
The applications cover tools' sleeves, household appliances, sports articles and decoration elements

LOCTITE 330™ presents the following characteristics:

Technology	Acrylic
Chemical nature	Urethane methacrylate ester
Aspect	Slightly milky, transparent up to light yellow
Components	Monocomponents
Viscosity	High
Polymerization	With activator
Application	Gluing

The kit comprises a 50ml glue tube + an 18ml activator bottle

Tariff : 27.95 € Excl. tax

CARRIAGE COSTS ARE CALCULATED ACCORDING TO THE DELIVERY POINT

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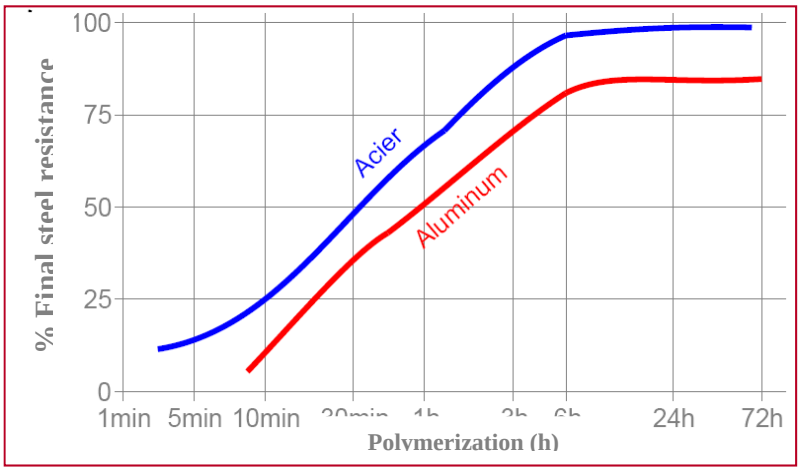
- **TYPICAL DATA FOR POLYMERIZATION**

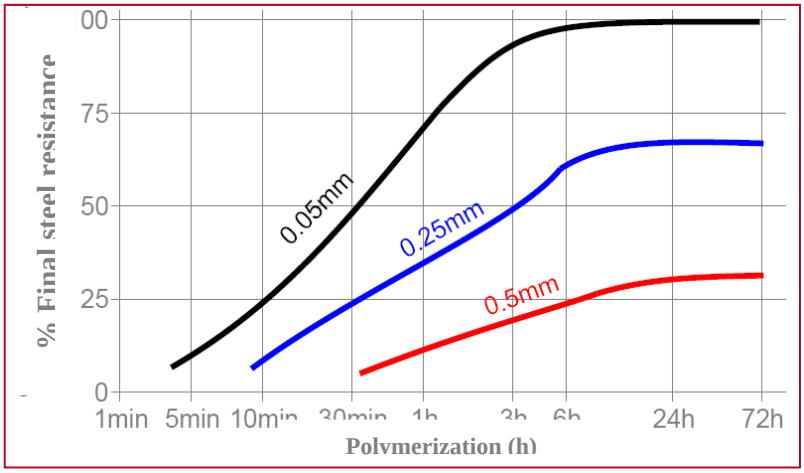
Polymerization speed according to substrate

Polymerization speed depends on substrate. The board below represents the evolution of shearing resistance according to time, on sandy steel test tubes. These tests have been realized according to ISO4587 tests (7387™ activator applied on one side).



Polymerization speed according to the clearance

Polymerization speed depends on the assembly clearance. The board below represents the evolution of shearing resistance according to time, on sandy steel test tubes. These tests have been realized according to ISO4587 tests (7387™ activator applied on one side).



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- **TYPICAL PROPERTIES OF POLYMERIZED PRODUCT**

Physical properties:

Linear dilatation ratio	ASTM D 696, $8x10^{-6}$ K^{-1}
Thermal conduction ratio	ASTM C 177, 0.1 W / (m.k)
Specific heat	0.3 kJ/(kg.K)

- **POLYMERIZED PRODUCT PERFORMANCES**

Adhesive properties

After 24 hours at 22°C, 7387™ Activator 7387™ on one face

Shearing test tube, ISO 4587:

Soft steel (sandy)	15 up to 30 (2175 up to 4350)	N/mm² (psi)

Shrinkage resistance, ISO 6922:

Soft steel (sandy)	12 up to 22 (1740 up to 3190)	N/mm² (psi)

After 24 hours at 22°C, 7387™ Activator or 7386™ on 2 faces

Shrinkage resistance, ISO 6922:

Acier doux (sablé)	≥ 16.5 (≥ 2,390)	N/mm² (psi)

- **ENVIRONMENT RESISTANCE PERFORMANCE**

After polymerisation 1 week at 22°C, 7387™ on one face

Shearing test tube, ISO 4587:

Soft steel (sandy)	clearance 0.25 mm

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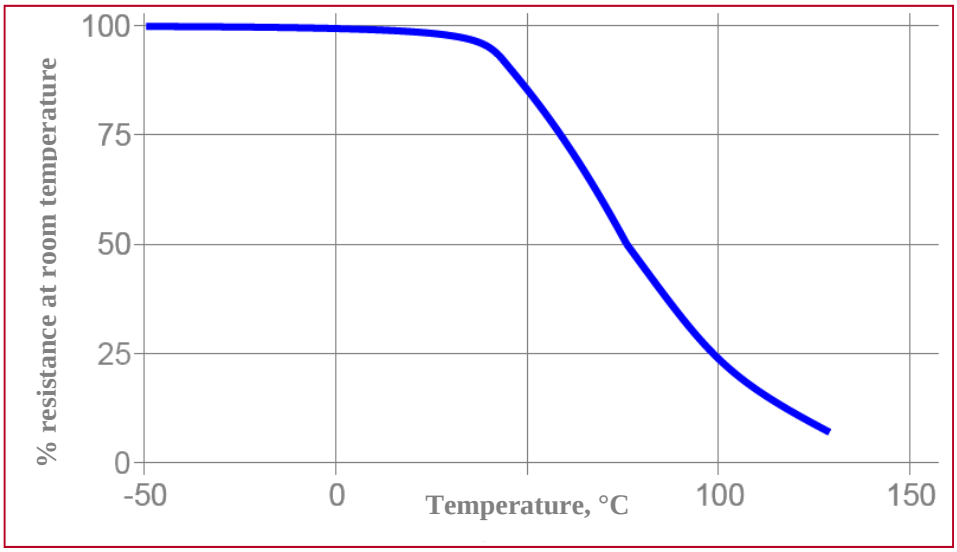
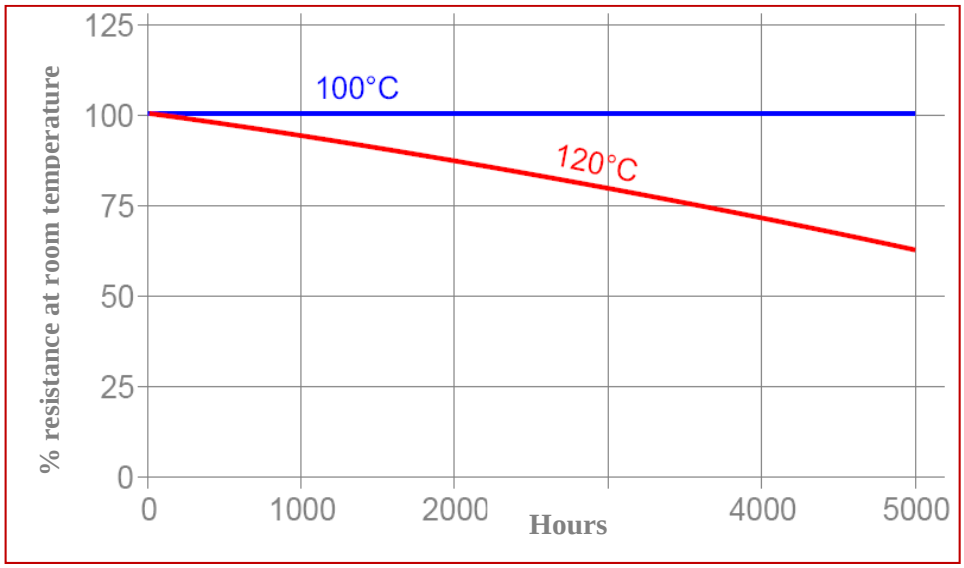
Immediate resistance

Measured according to temperature



Resistance to immediate ageing

Ageing at the indicated temperature and measurement after a return to 22°C



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Resistance to chemical products

Ageing following the indicated conditions and measurement after return to 22°C

		% of the initial resistance preserved after	
Chemical agent	**°C**	**350 h**	**720 h**
Motor oil	**87**	**90**	**66**
Unleaded gasoline	**22**	**20**	**20**
Acetone	**22**	**10**	**10**
Ester phosphate	**87**	**93**	**75**
Water/Glycol 50/50	**87**	**60**	**60**

- ## GENERAL INFORMATION

The use of such a product is not advisable for systems that carry pure oxygen or for combinations that contain too much oxygen; it shouldn't be used as a tightness product in relation with chlorine or for other highly oxidizing bodies.

Recommendations for implementation

1. To obtain the best performances, the surfaces must be clean and exempt from fats.
2. The product gives better results at low clearance (0.05 mm).
3. Excessive adhesive could be dissolved with Loctite cleaning solvents, nitromethane or acetone.

Note

The information contained in this document is given as information. We cannot take the responsibility for the results obtained by outsiders through methods we are not able to control.

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