

Technical Data Sheet

Description

Cyanoacrylate 1000cps is a high viscosity surface insensitive cyanoacrylate adhesive. Cyanoacrylate 1000cps is specifically formulated to rapidly bond difficult substrates and to perform in lower humidity situations.

Liquid properties.

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Flashpoint	> 81 ⁰ C
Density	1.05
Viscosity (25 ⁰ C - Brookfield, sp. 1, 20rpm)	850 - 1200 cp
Shelf life (20 ⁰ C)	12 months unopened

Polymer properties.

Appearance	Clear, colourless
Softening point	approx. 130 ⁰ C
Hardness (Rockwell)	M58
Full cure time	24 Hours
Solubility (20 ⁰ C)	DMF, acetonitrile, acetone.

Cure speeds.

Substrate	Cure (seconds)
Balsa / Balsa	< 7
Nitrile rubber / Nitrile rubber	< 7
Neoprene / Neoprene	< 7
EPDM / EPDM	< 7
Steel / Steel (degreased)	15 - 20
Polycarbonate / Polycarbonate	10 - 30

Cure strengths.

Sheer strength according to ASTM D1002

Grit blasted steel	> 15 N/mm ²
Etched aluminium	> 11 N/mm ²
Nitrile rubber	> 6 N/mm ²
Polycarbonate	> 12 N/mm ²

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Tensile Strengths

Tensile strength according to ASTM D2095

Grit blasted steel	> 18 N mm ²
Nitrile Rubber	> 5 N mm ²
Neoprene Rubber	> 5 N mm ²
EPDM Rubber	> 2.5 N mm ²

Product storage.

Cyanoacrylates should be stored in the original sealed container until used. Containers should be stored between 10⁰C - 22⁰C. Avoid exposure to strong light and heat sources. optimal storage conditions can be achieved by refrigeration.

This information is intended only for general guidance in the application of our products. It has been obtained by careful investigation and represents the present state of our knowledge and experience. Because of the wide number of possible methods of application and processing we are not able to assume responsibility in any one particular case for either the technical results or patent rights situation applicable to the country under consideration.

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