

HYLOGLUE 3

Description

Hyloglue 3 is a high performance cyanoacrylate adhesive. The product is very low viscosity and will form a strong bond to a wide range of substrates in seconds.

Typical Properties

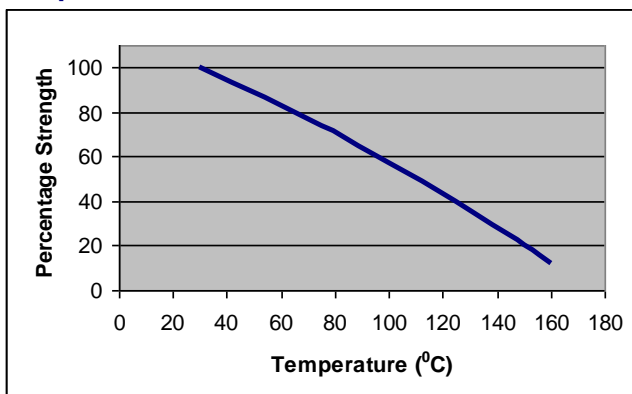
Liquid Properties	
Composition	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Specific Gravity (25°C/77°F) (ASTM D4659)	1.05
Viscosity (25°C/77°F Cone and Plate)	Approx. 3cps

Bonding Speed	
Balsa Wood	<2 seconds
Neoprene	<5 seconds
Nitrile Rubber	<5 seconds
ABS	<15 seconds
Steel	<40 seconds

The Bonding Speed is defined as the time taken to develop at least 0.1 N/mm² at 25°C (77°F) and 60% RH

Tensile Strength (ATSM D412 [B])		Lap shear strength (ISO 4587)	
Neoprene	10 N/mm ²	Steel	20 N/mm ²
Nitrile Rubber	10 N/mm ²	ABS	8 N/mm ²
EPDM	5 N/mm ²	Polycarbonate	8 N/mm ²

Temperature Resistance



The temperature resistance test was carried out by curing the product between 2 steel lap shears. The test pieces were then left at the test temperature for 1 hour. A lap shear strength test was then performed on each sample.

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However the material is used in conditions beyond our control thus we can assume no liability for results obtained or damages incurred through the application of the data present herein.

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Environmental Resistance

Exposed to the following conditions for 1000 hours at 25⁰C (77⁰F).

Condition	Strength Retention
Ethanol	100%
Water	60%
Air	100%
Automotive Fuels	90%

Instructions for Use

For best results ensure surfaces to be bonded are clean and free from grease. Apply the glue to one of the substrates and bring the two objects together. Apply pressure to the joint, the length of time depending on the material (see the “bonding speed” table for more information). Any excess product can be cleaned using a suitable solvent such as acetone.

Safety

CAUTION: bonds skin and eyes in seconds – see safety data sheet for more information.

Storage

Product should be stored between 2⁰C (35.6⁰F) and 10⁰C (50⁰F).

Packaging

Please contact our sales department for details.

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