

Description

This is designed for the assembly of difficult to bond materials which require uniform stress distribution and strong tension and/or shear strength.

Applications

This provides rapid bonding of a range of materials including metals, plastics, elastomers, wood, paper, leather and fabric.

LIQUID PROPERTIES	
Ester base	Ethyl cyanoacrylate
Appearance	Clear liquid
Specific Gravity 25°C	1.043g/cm ³
Shelf life	12 months unopened
Viscosity Brookfield - S p 1 @20rpm @25°C	90 - 120 cps

Storage

Bondloc cyanoacrylates should ideally be stored in original sealed containers until used. Containers should be stored between 2°C and 10°C with a maximum storage temperature of 25°C. Avoid exposure to strong light and heat sources. Refrigeration can prolong shelf life.

Temperature Resistance

Tested on mild steel cured for 24 hours, conditioned to test temperature for 1 hour before pull-test.

Cured Performance

Cured Speed

Defined as the time taken to develop a strength of 0.1N/mm² at 22°C and 50% relative humidity.

Balsa	<3 seconds
Nitrile	<5 seconds
Neoprene	<5 seconds
EPDM	<5 seconds
Steel	<5 seconds
Polycarbonate	5-10 seconds
ABS	<5 seconds

Shear Strength	
Steel	15-25 N/mm ²
Aluminum	7-10 N/mm ²
Nitrile Rubber	5-10 N/mm ²
Polycarbonate	5-10 N/mm ²
ABS	6-10 N/mm ²

Tensile Strength	
Nitrile Rubber	5-15 N/mm ²
Neoprene	5-15 N/mm ²
EPDM	2-6 N/mm ²

Part Number Table

Description	Part Number
Cyanoacrylate Adhesive, Clear, 20ml	MP-CA41-20
Cyanoacrylate Adhesive, Clear, 3ml	MP-CA41-3
Cyanoacrylate Adhesive, Clear, 5ml	MP-CA41-5

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