

Description

This is designed for the assembly of difficult to bond materials which require uniform stress distribution and strong tension and/or shear strength. The gel consistency prevents adhesive flow even on vertical surfaces.

Applications

This bonds metals, plastics, wood, ceramics, rubber, leather, card, glass and many other materials.

Liquid Properties	
Ester base	Ethyl cyanoacrylate
Appearance	Clear
Shelf life	1.1 g/cm ²
Shelf life	12 months unopened
Viscosity Brookfield - S p 1 @20rpm @25°C	Gel

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.

Enviro-Chemical Resistance

Exposed to conditions for 1000 hours at 22°C except for 98% RH which had an exposure of 42°C.

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	<2 seconds
Nitrile	<5 seconds
Neoprene	<5 seconds
EPDM	<5 seconds
Steel	5-20 seconds
Polycarbonate	10-15 seconds
ABS	<5 seconds

Shear Strength	
Steel	15-25 N/mm ²
Aluminum	5-10 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 Gel, Non-Drip, 20ml	MP-CG54-20
Cyanoacrylate Gel, Non-Drip, 3ml	MP-CG54-3

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