

## Description

This is a rubber toughened adhesive with increased flexibility and peel strength along with enhanced resistance to shock.

## Applications

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

Liquid Properties	
Ester base	Ethyl cyanoacrylate
Appearance	Black Liquid
Specific Gravity 25°C	1.043g/cm <sup>3</sup>
Shelf life	12 months unopened
Viscosity Brookfield - S p 1 @20rpm @25°C	350 – 450 cps

## Storage

This 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 1000hrs 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/mm<sup>2</sup> at 22°C and 50% relative humidity.

Balsa	<25 seconds
Nitrile	<15 seconds
Neoprene	<15 seconds
EPDM	<15 seconds
Steel (degreased)	50-70 seconds
Polycarbonate	25-40 seconds
ABS	20-30 seconds

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

Tensile Strength	
Nitrile Rubber	5-10 N/mm <sup>2</sup>
Neoprene	5-10 N/mm <sup>2</sup>
EPDM	2-6 N/mm <sup>2</sup>

## Part Number Table

Description	Part Number
Cyanoacrylate Adhesive, Rubber Toughened, 20ml	MP-CA80-20

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