

# ADHESIVE<sup>®</sup>



R&D

## Methyl ML 2000 Cyanoacrylate Adhesive

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### LIQUID PROPERTIES

Ester Base	methyl
cyanoacrylate	
Appearance	Clear, colourless
Flashpoint	>81°C
Density	1.10
Shelf Life	12 months,
unopened	
Viscosity (Brookfield) @ 25°C (Spindle 1, 20rpm)	2000 cP

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### POLYMER PROPERTIES

Appearance	Clear, colourless
Softening Point	c. 160°C
Refractive Index, $n_D^{20}$	1.45
Full Cure Time	24 hours
Solubility	DMF, acetonitrile,
acetone	

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### CURED PERFORMANCE

#### *Cure Speed*

Aluminium / Aluminium	40-60 seconds
Stainless Steel / Stainless Steel	30-60 seconds
Copper / Copper	10-20 seconds
SBR / SBR	10-15 seconds
Steel / Steel	10-30 seconds
Steel / PVC	15-20 seconds
PVC / PVC	3-10 seconds
Polycarbonate / Polycarbonate	10-40 seconds

#### *Shear Strength*

Grit Blasted Steel	>20 N/mm <sup>2</sup>
Etched Aluminium	>20 N/mm <sup>2</sup>
Stainless Steel	>20 N/mm <sup>2</sup>
Polycarbonate	>10 N/mm <sup>2</sup>
Copper	>13 N/mm <sup>2</sup>
ABS	>5 N/mm <sup>2</sup>

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### PRODUCT STORAGE

Adhesive R&D cyanoacrylates should ideally be stored in original sealed containers until used. Containers should be stored between 10°C and 22°C; avoid exposure to strong light and heat sources. Refrigeration prolongs shelf life.

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### DISCLAIMER

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