

TECHNICAL INFORMATION

English Language Version

Cyanoacrylate Instant Adhesive

LIQUID PROPERTIES

Ester Base	ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Flashpoint	>81°C
Density	1,05
Shelf Life	12 months, unopened
Viscosity (Brookfield) @ 25°C (Spindle 1, 20rpm)	90 - 120cP

POLYMER PROPERTIES

Appearance	Clear, colourless
Softening Point	c. 130°C
Refractive Index, n_D^{20}	1,45
Full Cure Time	24 hours
Solubility	DMF, acetonitrile, acetone

CURED PERFORMANCE

	Cure Speed	
Balsa / Balsa		<5 seconds
Oak / Oak		90-180 seconds
Nitrile / Nitrile		<5 seconds
Neoprene / Neoprene		<5 seconds
EPDM / EPDM		<5 seconds
Steel / Steel		10-20 seconds
PVC / PVC		3-10 seconds
Polycarbonate / Polycarbonate		10-40 seconds
	Shear Strength	
Grit Blasted Steel		>15 N/mm ²
Etched Aluminium		>11 N/mm ²
Nitrile Rubber		>10 N/mm ²
Polycarbonate		>12 N/mm ²
	Tensile Strength	
Grit Blasted Steel		>18 N/mm ²
Nitrile Rubber		>5 N/mm ²
Neoprene Rubber		>5 N/mm ²
EPDM Rubber		>2,5 N/mm ²

PRODUCT STORAGE

POLYMAX 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 can prolong shelf life.

DISCLAIMER

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