Ethyl EL 5 Cyanoacrylate Adhesive

LIQUID PROPERTIES

Ester Base	ethyl-2-cyanoacrylate
Appearance	Clear, colourless
Flashpoint	>81°C
Density	1.05
Shelf Life unopened	12 months,
Viscosity (Brookfield) @ 25°C (Spindle 1, 20rpm)	5 cP

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	<10 seconds
Oak / Oak	120-180
Nitrile / Nitrile	<5 seconds
Neoprene / Neoprene	5 seconds
EPDM / EPDM	<7 seconds
Steel / Steel	10-20 seconds
PVC / PVC	5-10 seconds
Polycarbonate / Polycarbonate	10-40 seconds

Shear Strength

Grit Blasted Steel	>15 N/mm²
Etched Aluminium	>11 N/mm²
Nitrile Rubber	>10 N/mm²
Polycarbonate	>12 N/mm²

Tensile Strength

Grit Blasted Steel	>18 N/mm²
Nitrile Rubber	>5 N/mm²
Neoprene Rubber	>5 N/mm²
EPDM Rubber	>2.5 N/mm²

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.

DISCLAIMER

The data contained within this Technical Data Sheet are furnished for information only and are believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the user to determine the products suitability for use. Adhesive R&D and its distributors and agents accept no liability arising out of the use of this information or the products described herein.