Black 100 Cyanoacrylate Adhesive

LIQUID PROPERTIES

Ester Base	ethyl-2-cyanoacrylate
Appearance	Black liquid
Flashpoint	>81°C
Density	1.05
Shelf Life unopened	6 months,
Viscosity (Brookfield) @ 25°C (Spindle 1, 20rpm)	100 cP

POLYMER PROPERTIES

Appearance	Black resin
Softening Point	160°C
Full Cure Time	24 hours
Solubility	DMF, acetonitrile, acetone

CURED PERFORMANCE

Cure Speed

Balsa / Balsa	10-30 seconds
Nitrile / Nitrile	<15 seconds
Neoprene / Neoprene	<15 seconds
EPDM / EPDM	<20 seconds
Steel / Steel	10-30 seconds
Polycarbonate / Polycarbonate	20-50 seconds

Shear Strength

Grit Blasted Steel	>20 N/mm²
Etched Aluminium	>12 N/mm²
Nitrile Rubber	>5 N/mm²

Tensile Strength

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