

CA Gel - 301245

Cyanoacrylate adhesive

Liquid Properties

Ester base	Ethyl-2-cyanoacrylate monomer
Appearance	Opaque, gel
Flash Point	>81 °C
Density	1.05 g/cm ³
Shelf-life at 22 °C	12 months, unopened
Viscosity (Brookfield) at 25° C	80000 – 1 20000 cPs
Helipath Spindle C at 2.5rpm	

Polymeric Properties

Appearance	Clear, colourless polymer
Softening Point	130 °C
Hardness (Rockwell)	M58
Full Cure Time	24-hours
Solubility	DMF, acetone acetonitrile

Cure Speed (Bonding)

(Time to develop a strength of 0.1 N/mm², IS O 4587)

Balsa Wood	<5 Seconds
Nitrile Rubber	<5 Seconds
EPDM	<7 Seconds
Neoprene	<5 Seconds
Steel (degreased)	25-35 Seconds
Polycarbonate	10-25 Seconds

Shear Strength

(Prepared & Tested in accordance with ISO 4587)

Steel (Grit Blasted)	>15 N/mm ²
Aluminium (Grit Blasted)	>10 N/mm ²
Polycarbonate	>6 N/mm ²
Nitrile Rubber	>10 N/mm ²

Tensile Strength

(Tested in accordance with ASTM D 412 [B])

Steel (Grit Blasted)	>18 N/mm ²
Nitrile Rubber	>5 N/mm ²
EPDM	>2.5 N/mm ²
Neoprene	>5 N/mm ²

Storage Conditions

Container	Store in original sealed container
Temperature	10-22 °C

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 customer to determine the products suitability for use for each application.

Jan 2011