

High Viscosity High Performance Cyanoacrylate - 301999 Technical Data Sheet

301999 Cyanoacrylate adhesive

Liquid Properties

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless liquid
Flash Point	>85 °C
Density	1.06 g/cm ³
Shelf-life at 22 °C	12 months, unopened
Viscosity (Cone & Plate) at 25 °C	1200 – 1800 cP

Polymeric Properties

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

Cure Speed vs. Substrate

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

Balsa Wood	≤ 2 Seconds
Nitrile Rubber	≤ 3 Seconds
EPDM	≤ 4 Seconds
Neoprene	≤ 4 Seconds
Steel (degreased)	≤ 22Seconds
Polycarbonate	≤ 9 Seconds
General Leathers	≤ 17 seconds
Paper/Card	≤ 4 seconds

Lap 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])

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

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