

# Medium Viscosity High Performance Cyanoacrylate - 301994 Technical Data Sheet

## 301994 Cyanoacrylate adhesive

### Liquid Properties

Ester base	Ethyl-2-cyanoacrylate
Appearance	Clear, colourless liquid
Flash Point	>85 °C
Density	1.06 g/cm <sup>3</sup>
Shelf-life at 22 °C	12 months, unopened
Viscosity (Cone & Plate) at 25 °C	71 – 95 cP
Spindle 75 @ 3000s-1	
Viscosity (Brookfield) at 25°C	80 – 120 cP
Spindle 1 @ 20rpm	

### 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/mm<sup>2</sup>, ISO 4587)

Balsa Wood	1-2 Seconds
Nitrile Rubber	1-3 Seconds
EPDM	2-4 Seconds
Neoprene	1-3 Seconds
Steel (degreased)	5-20 Seconds
Polycarbonate	3-10 Seconds
General Leathers	3-20 seconds
Paper/Card	<5 seconds

### Lap Shear Strength

(Prepared & Tested in accordance with ISO 4587)

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

### Tensile Strength

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

Nitrile Rubber	>5 N/mm <sup>2</sup>
EPDM	>2.5 N/mm <sup>2</sup>
Neoprene	>5 N/mm <sup>2</sup>

### 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. We accept no liability arising out of the use of this information or the products described herein.