



# ADGEL

## Technical Data Sheet

### Liquid Properties

Chemical Base	Ethyl cyanoacrylate
Appearance:	Clear/cloudy gel
Specific Gravity (25°C)	1.06 g/cm <sup>2</sup>
Viscosity (25°C) [Brookfield RV]	90000-130000cP-s [Thixotropic]

### Bonding Speed

Defined as the time taken to develop a strength of 0.1 N/mm<sup>2</sup> at 22°C and 50% relative humidity.

EPDM	<7 seconds
Neoprene	<6 seconds
Nitrile Rubber	<5 seconds
Balsa Wood	<10 seconds
ABS	10-20 seconds
Polycarbonate	15-25 seconds
Steel	30-45 seconds
Aluminium	15-25 seconds

### Bonding Performance

Tensile strength according to ASTM D412 [B].

EPDM	2-6 N/mm <sup>2</sup>
Neoprene	5-15 N/mm <sup>2</sup>
Nitrile Rubber	5-15 N/mm <sup>2</sup>

Lap shear strength according to ISO 4587.

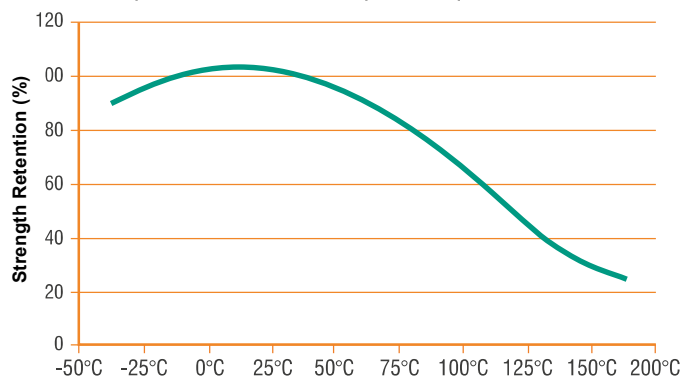
Steel	15-25 N/mm <sup>2</sup>
Aluminium	7-10 N/mm <sup>2</sup>
Nitrile Rubber	5-10 N/mm <sup>2</sup>
Polycarbonate	5-10 N/mm <sup>2</sup>
ABS	6-10 N/mm <sup>2</sup>

### Note:

The data contained herein are for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine the suitability for use in their specific application. We recommend that each user test their proposed application before repetitive use, this data sheet is merely a guide. We can accept no liability arising out of the use of this information of the products described herein.

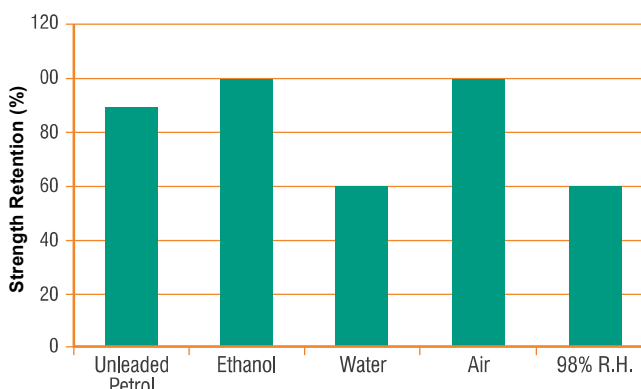
### Temperature Resistance

Tested on mild steel, cured for 24-hours and conditioned to test temperature for 1 hour prior to pull test.



### Enviro-Chemical Resistance

Exposed to conditions for 1,000 hours at 22°C except for 98% RH that had an exposure of 42°C.



### Storage Conditions

Recommended Storage Temperature is 2-10 °C. Maximum storage temperature is 25°C. Shelf life at the recommended temperature (unopened) is 12 months

HDPE containers do not offer a complete barrier, store product away from other chemicals and sources of humidity. Strong light exposure can discolour products.