



# HYLOC EP120

## Technical Data Sheet

### Liquid Properties

|                                    |                        |
|------------------------------------|------------------------|
| Chemical Base                      | Ethyl cyanoacrylate    |
| Appearance:                        | Colourless liquid      |
| Specific Gravity (25°C)            | 1.06 g/cm <sup>3</sup> |
| Viscosity (25°C)<br>[Cone & Plate] | 70 – 95 mPa·s          |

### 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           | <5 seconds    |
| Neoprene       | <5 seconds    |
| Nitrile Rubber | <5 seconds    |
| Balsa Wood     | <3 seconds    |
| ABS            | 10-15 seconds |
| Polycarbonate  | 10-30 seconds |
| Steel          | 25-40 seconds |
| Aluminium      | 20-30 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.

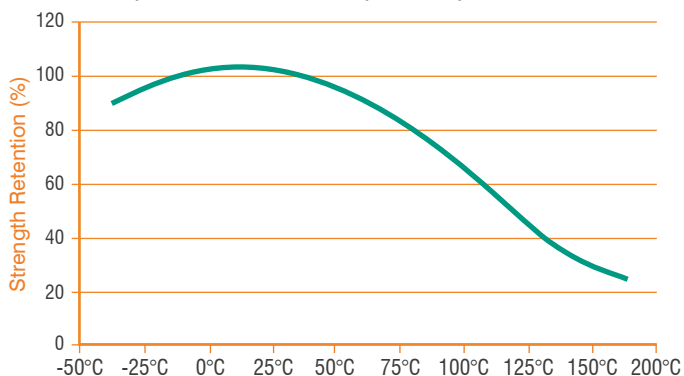
|                |                         |
|----------------|-------------------------|
| Steel          | 15-25 N/mm <sup>2</sup> |
| Aluminium      | 7-10 N/mm <sup>2</sup>  |
| Nitrile Rubber | 5-10 N/mm <sup>2</sup>  |
| Polycarbonate  | 5-10 N/mm <sup>2</sup>  |
| ABS            | 6-10 N/mm <sup>2</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. Xtraloc recommend each user test their proposed application before repetitive use, this data sheet is merely a guide. Xtraloc Limited accepts no liability arising out of the use of this information of the products described herein.

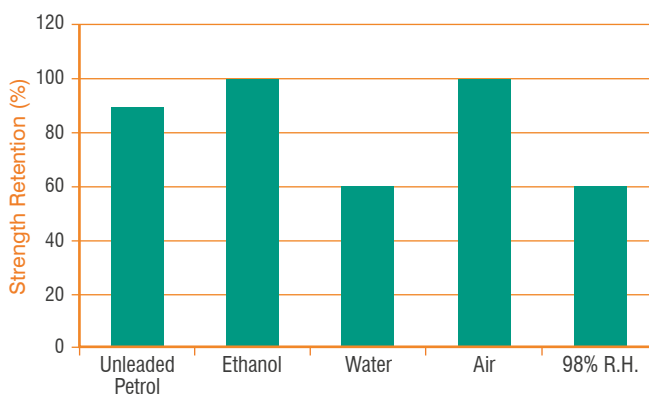
### Temperature Resistance

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.

### Supply Formats

#### Standard Bulk Formats:

25 kg container, 200 kg drum and 1,000 kg IBC.

#### Special Bulk Formats:

5 kg container, 10 kg container and 20 kg container.

N.B. Extra charges may apply.

