

ADHESIVE[®]

R&D

Rubber Toughened RT 50 Flexible Cyanoacrylate

LIQUID PROPERTIES

| | |
|--|-------------------|
| Ester Base cyanoacrylate | ethyl-2- |
| Appearance | Clear, colourless |
| Flashpoint | >81°C |
| Density | 1.05 |
| Shelf Life unopened | 12 months, |
| Viscosity (Brookfield) @ 25°C (Spindle 4, 20rpm) | 50cP |

POLYMER PROPERTIES

| | |
|------------------------------|--------------------|
| Appearance | Clear, colourless |
| Softening Point | c. 130°C |
| Refractive Index, n_D^{20} | 1.45 |
| Full Cure Time | 24 hours |
| Solubility acetone | DMF, acetonitrile, |

CURED PERFORMANCE

Cure Speed

| | |
|-------------------------------|---------------|
| Balsa / Balsa | <10 seconds |
| Oak / Oak | NA |
| Nitrile / Nitrile | 5 seconds |
| Neoprene / Neoprene | <7 seconds |
| EPDM / EPDM | <7 seconds |
| Steel / Steel | 10-20 seconds |
| PVC / PVC | 5-10 seconds |
| Polycarbonate / Polycarbonate | 10-40 seconds |

Shear Strength

| | |
|--------------------|-----------------------|
| Grit Blasted Steel | >15 N/mm ² |
| Etched Aluminium | >11 N/mm ² |
| Nitrile Rubber | >10 N/mm ² |
| Polycarbonate | >12 N/mm ² |

Tensile Strength

| | |
|--------------------|------------------------|
| Grit Blasted Steel | >18 N/mm ² |
| Nitrile Rubber | >5 N/mm ² |
| Neoprene Rubber | >5 N/mm ² |
| EPDM Rubber | >2,5 N/mm ² |

PRODUCT STORAGE

Adhesive R&D cyanoacrylates should ideally be stored in original sealed containers until used. Containers should be stored between 10°C and 22°C; avoid exposure to strong light and heat sources. Refrigeration prolongs shelf life.

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 user to determine the products suitability for use. Adhesive R&D and its distributors and agents accept no liability arising out of the use of this information or the products described herein.