ADHESIVE

Ethyl EL 45 Cyanoacrylate Adhesive

LIQUID PROPERTIES

Ester Base cyanoacrylate	ethyl-2-
Appearance	Clear, colourless
Flashpoint	>81°C
Density	1.05
Shelf Life	12 months,
unopened	
Viscosity (Brookfield) @ 25°C	45 cP
(Spindle 1, 20rpm)	

POLYMER PROPERTIES

CURED PERFORMANCE

Appearance Softening Point Refractive Index, n_D^{20} Full Cure Time Solubility acetone

Cure Speed		
Balsa / Balsa Oak / Oak Nitrile / Nitrile Neoprene / Neoprene EPDM / EPDM Steel / Steel PVC / PVC Polycarbonate / Polycarbonate	 <10 seconds 120-180 <5 seconds <5 seconds <7 seconds 10-20 seconds <5-10 seconds 10-40 seconds 	
Shear Strength		
Grit Blasted Steel	>15 N/mm²	
Etched Aluminium Nitrile Rubber	>11 N/mm² >10 N/mm²	
Polycarbonate	>12 N/mm ²	
Tensile Strength		
Grit Blasted Steel Nitrile Rubber Neoprene Rubber EPDM Rubber	>18 N/mm ² >5 N/mm ² >5 N/mm ² >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.

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Clear, colourless c. 130°C 1.45 24 hours DMF, acetonitrile,