



TECHNICAL DATA SHEET

MultiFix Instant Adhesive

MultiFix Instant Adhesive is a rubber toughened instant cyanoacrylate adhesive that will bond many dissimilar materials. It contains nanosphere elastomers giving the adhesive excellent resistance to vibration, shock, moisture and thermal cycling. The adhesive will withstand temperatures between -80°C and +120°C.

<p><u>APPLICATIONS</u> Typical applications , ferrite cores, magnets, loud speaker cones, leather trims, electronic components. Versatility of usage includes the bonding of cork, wood, ceramic, most plastics, metals etc.</p>	
<p><u>PHYSICAL PROPERTIES</u> Ester Based Appearance Flashpoint Density Shelf Life Viscosity (Brookfield) @ 25°C (spindle 4, 20rpm)</p>	<p>Ethyl-2-cyanoacrylate Black >81°C 1.05 6 months unopened 4000 – 6000cP</p>
<p><u>PHYSICAL PROPERTIES OF CURED MATERIAL</u> Appearance Softening Point c Refractive Index Full Cure time Solubility</p>	<p>Black 130°C 1.45 24 hours DMFm acetonitrile, acetone</p>
<p><u>PERFORMANCE OF CURED MATERIAL</u> Cure speed Balsa/Balsa Oak/Oak Nitrile/Nitrile Neoprene/Neoprene EPDM/EPDM Steel/Steel PVC/PVC Polycarbonate/ Polycarbonate</p>	<p><20 seconds NA < 7 seconds < 10 seconds < 10 seconds 10-20 seconds 5-10 seconds 1 second</p>

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<p><u>SHEAR STRENGTH</u> Grit Blasted Steel Etched Aluminium Nitrile Rubber Polycarbonate</p>	<p>ASTM D1002, DIN53283 18 -26 N/mm² 11 – 19 N/mm² 10 – 14 N/mm² 11 -15 N/mm²</p>
<p><u>TENSILE STRENGTH</u> Grit Blasted Steel Nitrile Rubber Neoprene Rubber EPDM Rubber</p>	<p>>22 N/mm² >10 N/mm² >10 N/mm² >8 N/mm²</p>
<p><u>HANDLING AND SAFETY PROPERTIES</u> Instant adhesive should ideally be stored in the original container until used. Containers should be stored between 10°C and 22°C. Avoid exposure to strong light and heat sources. Refrigeration can prolong shelf life.</p>	

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