

## ELI-CAST FR/64 CASTING RESIN CLEAR

PRODUCT	A clear, transparent, casting resin of particularly low viscosity
DESCRIPTION	A two pack, ambient temperature curing, Epoxy Casting Resin
APPLICATION	Casting by hand or dispensing equipment
VISCOSITY OF RESIN / 25°C	12000 - 14000 mPa.s
VISCOSITY OF HARDENER / 25°C	180 mPa.s
MIXING RATIO	By Weight:       100 Parts of Resin 100 Parts of Hardener  By Volume:       100 ccs of Resin 100 ccs of Hardener
COLOUR OF RESIN	Clear Transparent
COLOUR OF HARDENER	Clear Transparent
SPECIFIC GRAVITY / 25°C	Resin:             1.1 – 1.15 g/cm <sup>3</sup> Hardener:        1.0 – 1.1 g/cm <sup>3</sup>
POTLIFE (300g mix / 25°C)	2 ½ - 3 Hours
GELTIME (300g mix / 25°C)	3¼ - 3½ Hours
SETTING TIME (300g mix / 25°C)	12 Hours
HARDNESS AFTER 24 HOURS CURE / 25°C	Shore A 35
HARDNESS AFTER 14 DAYS CURE / 25°C	Shore D 53 – 55
MECHANICAL PROPERTIES (Cured 24 Hours at ambient temperature)	+ 2 Hours / 50°C – 60°C
TYPICAL ELECTRICAL PROPERTIES (Casting cured 7 days / 25°C)	
DIELECTRIC STRENGTH / 25°C	1.1 kV/mm

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PROPERTIES AND USES	<p>The outstanding properties of the Eli-Cast FR/64 casting Resin can be summarised as follows -</p> <p>Low viscosity - excellent penetration and air release properties</p> <p>Low shrinkage - long pot life, transparency of cast Good mechanical and electrical properties</p>
CHEMICAL RESISTANCE	<p>Resistant to Aromatic and Aliphatic solvents Not resistant to Esters, Alcohols and Ketones</p>
STORAGE STABILITY	<p>Dry and cool conditions in sealed packaging: 12 months</p>
TOXICITY	<p>Non-toxic at ambient temperatures, very low skin irritation potential. However, gloves should be worn and adequate ventilation must be ensured during application.</p>
NOTICE	<p>The technical specification and/or our technical advice whether verbal, in writing or by trials is given in good faith and based on our test results obtained but without warranty. It does not release the user from the obligation to test the products supplied by us or any third party as to the suitability for the intended application.</p> <p>The application, use and processing of the products are beyond our control and Elite Chemical Industries (Pty) Ltd's legal obligation in respect of any sale of its products shall be determined by the terms of its conditions of sale.</p>

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