

**Alchemix® Epoxy Laminating Resins**  
For All types of Mould Making

<b>Alchemix Code</b>	<b>EP 502</b>	<b>EP 571</b>	<b>EP 575</b>	<b>EP 519</b>	<b>EP 527</b>
<b>Colour</b>	<i>Clear</i>	<i>Amber</i>	<i>Pale Yellow</i>	<i>Amber</i>	<i>Amber</i>
<b>Mix Ratio (weight)</b>	100:17 <b>H3</b> 100:18 <b>H15</b>	100:25	100:25	100:50 (+ A519) <i>optional</i>	100:30 <b>H3</b> 100:32 <b>H15</b>
<b>Mixed Viscosity, cPs</b>	1500-2000	1000	800	4000-6000	400-600
<b>Pot Life, Mins (200g) @ 25°C</b>	50 <b>H3</b> 150 <b>H15</b>	40 <b>H3</b> 240 <b>H8</b>	50-60	60 (5 parts A519)	40 <b>H3</b> 90 <b>H15</b>
<b>Demould Time, Hrs</b>	18-24 <b>H3</b> 24-36 <b>H15</b>	16-20 <b>H3</b> 18-24 <b>H8</b>	16 hrs + post cure (see data sheet)	24	16-24
<b>Shore Hardness</b>	85	85	85-90	80	85-90
<b>Compressive Strength, MPa</b>	75 <b>H3</b> 72 <b>H15</b>	107-117	120-125	100-120	120-125
<b>Tensile Strength, MPa</b>	50-60	58-68	65-70		65-75
<b>Elongation at Break, %</b>	5-8	5-6	3-5		3-6
<b>Flexural Strength, MPa</b>	70-80	90-95	100-110	90-100	220 (with glass matt)
<b>Flexural Modulus, MPa</b>	4000-5000	5000	5000	5000	8500 (with glass matt)
<b>H.D.T, °C</b>	45-50 <b>H3</b> 90-95 <b>H15</b>	120	150	40-50	110-120 <b>H3</b> 130-140 <b>H15</b>