

## Dalchem - TC84

**Product Characteristics:** TC84 is a low viscosity high temperature casting resin designed to simulate thermoplastics such as ABS.

**Benefits:** High thermal resistance, Low viscosity, extremely rigid, Very strong on demould

**Applications:** TC84 is recommended for applications where a "thermoplastic feel" is desired. It is commonly used to make computer housings, models of all kinds, artwork, and can also be used for electronic component encapsulation.

<b>Colour:</b>	<b>Straw</b>
<b>Specific Gravity:</b>	<b>1.03 gm/cc</b>
<b>Hardness:</b>	<b>84 Shore D</b>
<b>Pot Life:</b>	<b>5 min</b>
<b>Demould Time:</b>	<b>45 min @ 65°C</b>
<b>Application:</b>	<b>Optimum @ 25°C</b>
<b>Mix Ratio:</b>	<b>1:1 by wgt</b>
<b>Shelf life:</b>	<b>6 month from Date of Manufacture</b>
<b>Viscosity</b>	<b>600 Mpa.s</b>
<b>Max Thickness</b>	<b>10mm</b>
<b>Heat Resistance</b>	<b>&gt;120°C</b>





**Mould Preparation:** Carefully clean the mould, then spray silicone release agent onto the surface. Ensure that the surface is dry before coupling the mould parts. Heat the mould in an oven to 40oC; this may take several hours if the mould is very large. Splitting the tool will speed up the warming process.

**Post Curing:** For the highest temperature performance we recommend the following post cure schedule: - 1 hour @ 70oC 2 hours @ 80oC 2 hours @ 110oC

