

# Advantages of using Rhodorsil® RTV 2 silicones in moulding



**Silicone elastomers are one of several materials used to produce moulds, together with polyurethane elastomers, plasters, alginates and latex.**

These elastomers have enabled new moulding techniques to be developed (e.g. very flexible sock moulds) and the moulding of very aggressive reproduction resins (polyurethanes, polyester, epoxies, etc.). Access to translucent and transparent grades together with the appropriate mechanical

properties have also enabled the development of vacuum prototype moulding. This type of application covers a very broad-ranging market, spanning from decorative moulding to industrial moulding.

The Rhodorsil® RTV 2 range was developed with this in mind, to meet all these requirements. Rhodorsil® RTV 2 silicone elastomers have specific properties which provide users with many advantages:

<b>Flexibility</b>	<b>simplified mould, gentle on model</b>
<b>Easy to use</b>	<b>no need for heavy equipment</b>
<b>Release properties</b>	<b>easy to demould</b>
<b>Tear strength</b>	<b>thin section membranes, complex shapes</b>
<b>Room temperature curing, no heat release</b>	<b>no oven, gentle on model</b>
<b>Fine reproduction detail</b>	<b>details to the nearest micron</b>
<b>Ageing resistance</b>	<b>reusing of stored moulds, especially for polyaddition RTV 2's</b>
<b>Heat stability</b>	<b>moulding of exothermic reaction materials and low melting point alloys</b>
<b>Dielectric properties</b>	<b>use in HF moulding and in galvanoplastics</b>
<b>Low shrinkage</b>	<b>moulding accuracy</b>