

Ecosil RTV2 Silicone Moulding Rubber

Ecosil is a condensation cure mould making RTV2 silicone rubber used for general mouldmaking. Ecosil is used where long library life is not required. It is for use with polyester and rigid or flexible polyurethane casting materials. Ecosil will give good reproduction detail.

By varying the catalyst ratio, this RTV2 rubber provides flexibility in pot life and cured hardness.

Reduced catalyst will result in slower cure and a slightly softer rubber when fully cured.

Typical properties

Colour:	Clear Catalyst
Mix Ratio:	3%-5% Catalyst by weight.
Viscosity:	42,000 cps when mixed
Hardness:	Full Cure 30 Shore A ±2 points
Pot Life:	20-30min
Demould Time:	24 hrs @ 25°C
Application Temp:	Optimum @ 20°C - 25°C
Tensile Strength	3.6MPa
Elongation	>250%
Tear strength	≥ 18 KN/m
Shelf life:	6 months from Date of Manufacture
Specific Gravity:	1.15





Dalchem Ecosil RTV2 mouldmaking silicone.

Page 2/2

For best results we recommend the use of a vacuum chamber to remove air bubbles in the mixed silicone.

Allow the mix to completely expand then collapse. After a further 1 to 2 minutes under vacuum the silicone should be free of bubbles.

Always use a large mixing vessel which will provide adequate volume for the mix to expand 5 + times its volume during the vacuuming process.

Please contact your Dalchem representative for specialist application advice.

Dalchem offers no warranty of merchantability nor fitness for use, nor any other express or implied warranty. The users exclusive remedy and the suppliers sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind. Suggestions for use should not be taken as inducements to infringe any patents.
