

moulding & casting supplies

BARNES PRODUCTS P/L SYDNEY HEAD OFFICE

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RTV585/60R

GENERAL PURPOSE MOULDMAKING SYSTEM

RTV SILICONE RUBBER

SYDNEY RETAIL Barnes Moulding & Casting Supplies

53 King Street Newtown NSW 2042 Tel: (02) 9557 9056

ADELAIDE Adelaide Moulding & Casting

Supplies Tel: (08) 8376 2976 Fax: (08) 8376 2606

BRISBANE ARMS Model-IT

Tel: (07) 3284 1111 Fax: (07) 3889 5708

NEW ZEALAND Top Mark Products Tel: (64 9) 580 2488 Fax: (64 9) 580 2466

PRODUCT DESCRIPTION

RTV585 is a two component, tin catalysed, RTV silicone rubber. It produces a flexible elastic material with excellent tear strength. RTV585 combines durable tear strength with low hardness. RTV585 displays good dimensional stability, low linear shrinkage and is compatible with a wide variety of casting materials such as plaster, polyurethane, polyester and high alkaline concretes. RTV585 is supplied with 3% catalyst, however it is recommended that under normal conditions, for best overall properties, a catalyst level of 2% is to be used.

TYPICAL PRODUCT USES

Multi-purpose Mouldmaking Figurine & Gift Ware moulds Polyester, Urethane and Plaster Casting General Purpose Moulds

TYPICAL CATALYSED PROPERTIES - with 2% 60R

Mixed @ 24°C and 50% RH.

Mix Ratio A:B (by weight): 100:2

Mixed Viscosity cps: 30,000 – 50,000 mPa s

Potlife Life: 60 minutes Cure/Demould Time: 24 hours

TYPICAL CURED PROPERTIES – with 2% 60R

Cured 7 days @ 24°C and 50% RH

Colour: Off White

Specific Gravity: 1.2
Hardness (Shore A): 25
Tensile Strength (mPa): 4.0
Modulus at 100% elongation mPa: 1.0
Elongation at break (%): 350
Tear Resistance (kN/m): 20

Linear Shrinkage(%): 0.3 - 0.7

Revision No: 2 Issue Date: 18th August 2004 TECHNICAL DATA BULLETIN

The data presented in this leaflet are in accordance with the present state of our knowledge, and does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.