

ULTRASIL®

FAST CURE MOULDMAKING SYSTEM

RTV SILICONE RUBBER

PRODUCT DESCRIPTION

ULTRASIL is a medium strength, two component, tin catalysed RTV silicone rubber. It is designed as a 25 Shore A, medium viscosity rubber providing excellent physical properties, long library life and accurate detail reproduction. Ultrasil displays good dimensional stability, low linear shrinkage and features a coloured catalyst to ensure thorough mixing.

TYPICAL PRODUCT USES

Multi-Purpose Mouldmaking
Figurine & Giftware Moulds
Polyester, Polyurethane & Plaster Casting
Moulds Requiring Fast Turnover

TYPICAL CATALYSED PROPERTIES

Mixed @ 24°C and 50% RH.

Mix Ratio A:B (by weight):	100:10
Mixed Viscosity (cps):	45,000
Work Time:	20 minutes
Potlife/Geltime:	30 minutes
Cure/Demould Time:	6-12 hours

TYPICAL CURED PROPERTIES

Cured 7 days @ 24°C and 50%RH

Colour:	Blue
Specific Gravity:	1.16
Hardness (Shore A):	25
Tensile Strength (psi):	550
Elongation (%):	350
Tear Resistance (ppi):	95
Linear Shrinkage (%):	24 hours 0.2
	7 days 0.4
Temperature Range:	-50°C to 150°C

We offer a Green coloured catalyst for applications requiring a longer work time. These figures are those that will differ, please consult your Barnes Rep for further information.

Colour:	Green
Work Time:	60 minutes
Demould Time:	24 hours
Tensile Strength (psi):	650
Elongation (%):	425
Tear Resistance (ppi):	125