

Barnes

moulding & casting supplies

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RTV585/60R

GENERAL PURPOSE MOULDMAKING SYSTEM

RTV SILICONE RUBBER

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