

RTV 689 SILICON RUBBER FOR CASTING

Very hard rubber, with high heat resistance, to be used in a very particular and limited field.
It is a silicon rubber which cures by polycondensation, adding a catalyst.

Benefits:

High heat resistance , up to 300 °C.
Low linear shrinking
Very easy to detach
True likeness to the original
Good tear strength
Good resistance to chemical agents such as epoxy resins.

General hints:

To obtain the best result, work at a room temperature not lower than 20 – 23° C. Higher or lower temperatures may alter the pot life, the hardening times or the final result.

Instructions for use:

Weight the amount of rubber using a scale. Add 5% of catalyst T5, using a measuring syringe. Mix carefully with a narrow spittle, and slowly, to avoid the making of air bubbles and obtain a homogeneous mix.

Pour the rubber slowly on the object to reproduce (previously put in a container), even using a long needle to help the rubber to reach the most detailed parts. Cover the object completely.

Wait the stated time to take off the object.

Every 20 castings, put the mould in the oven at 100 ° C for one hour, to allow the evaporation of solvents and other matters. Besides, periodically treat it with silicon oil, to avoid the rubber to dry up.

After use, the rests of vulcanized rubber easily detaches from the containers and used tools.

It is also possible to reduce the viscosity of the mix, by adding, before to add the catalyst, the silicon oil, but not exceeding the 10% of quantity.

Component properties:

COLOUR	Red
DENSITY	1,5 kg/l
VISCOSITY	30.000 mPa.sec

Ratio A/B

100 gr A/ 4 gr B

Blend properties:

COLOUR	Red
POT LIFE	180 min
COMPLETE HARDENING	24 hours

Properties after vulcanizations:

Hardness Shore A	55
Tear strength	100
Tensile strength	4.0
Linear shrinking	< 0,8

Storage:

Between -5° C / + 30° C, in original packs, 12 months.



Ideas and creative solutions

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