



TECHNICAL DATA SHEET Silicone Putty 45

Main Features

Mixing ratio A : B = 1 : 1
Quick through-curing
High reproduction accuracy

Applications

- Object cast
- Mould making
- Auxiliary devices (agents) in the composite sector such as pressure pieces for prepreg, vacuum infusion and wet laminates

Properties in the non-crosslinked state (approx. values)

		Silicone Putty 45 Part A	Silicone Putty 45 Part B
Colour		white	red
Mixing ratio	p.b.w.	100	100
Density (20 °C)	g/cm ³	1.5	1.4
Viscosity (20°C)	mPa·s	putty	putty

Properties of the mixture and the cured product (approx. values)

Mixed viscosity	mPa·s		putty
Pot life (100g)	minutes		3
Curing time	minutes		45
Hardness (24h)	Shore A	DIN 53505	45
Tensile strength at break	N/mm ²	DIN 53504	0.9
Elongation at tear	%	DIN 53504	5.7
Resistance to tear propagation	N/mm	ASTM D 624 B	3.4

Important: The platinum catalyst is contained in Part A.

How to process the material

For the preparation of a batch being ready for processing, add the required quantity of crosslinker to the rubber and knead the compound until it is streak-free.

Please note at all events:

Close cans immediately after use. Do on no account mix up lids and dosing spoons, if any.

Strictly observe the mixing ratio in order to achieve the correct setting time.

Overdosing of the catalyst does **not** accelerate the setting process.

If Silicone Putty 45 Part A and Silicone Putty 45 Part B come into contact with the hands before mixing, the setting time of the mixed material will become shorter.

Latex gloves, however, hamper the setting of silicone moulding materials. We recommend wearing vinyl gloves and/or washing the hands carefully to remove talc residues completely.



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Form of delivery

Silicone Putty 45	Part A	1 kg	5 kg	25 kg
Silicone Putty 45	Part B	1 kg	5 kg	25 kg

Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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