

WACKER

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Your local partner:

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WACKER

CREATING TOMORROW'S SOLUTIONS

ELASTOSIL®

MOLD MAKING | RAPID PROTOTYPING

FORM HAS NO LIMITS.
ELASTOSIL® M
SILICONE RUBBER FOR
RAPID PROTOTYPING

FROM THE CONCEPT TO SERIES PRODUCTION IN RECORD TIME



Ever faster innovation cycles are forcing engineers and product designers to work ever more efficiently. This means having a prototype in the original material at the earliest possible stage. Rapid prototyping with ELASTOSIL® M makes this possible.

Whether you're producing specific machine parts or complicated resin castings, ELASTOSIL® M mold-making compounds can be used to make cost-effective reproductions of the original part or even small series.

Some Ideal Applications of ELASTOSIL® M

- Visualization models
- Design models
- Working models
- Pre-series models
- Wax models
- Small series

WITH ELASTOSIL® M MOLD-MAKING COMPOUNDS

ELASTOSIL® M silicone rubber grades from WACKER are some of the highest quality, most technically advanced materials used in vacuum casting.

The properties of pourable, addition-curing RTV ELASTOSIL® M silicone rubber have been specially tailored to the needs of vacuum casting for rapid prototyping and small-series production.



Special Characteristics

- Good flow
- Fast, shrink-free curing at room temperature, which can be greatly accelerated by heating
- High transparency
- High tear resistance
- Outstanding long-term stability of the cured rubber's mechanical properties
- Excellent resistance to casting resins and polyamide

ELASTOSIL®

Product	Properties	Color	Hardness	Tensile strength	Elongation at break	Tear strength	Viscosity
			[Shore A]	[N/mm ²]	[%]	[N/mm]	[mPa•s]
M 4641 A/B	medium hard, very high mechanical strength	Transparent	43	4.5	300	> 28	30,000
M 4644 A/B	medium hard, high mechanical strength, weakly oil-bleeding	Transparent	40	5.5	400	> 28	50,000
M 4645 A/B	medium hard, high mechanical strength, strongly oil-bleeding	Transparent	40	5.0	330	> 28	35,000
M 4670 A/B	hard, high mechanical strength, for casting polyamide	Beige	55	5.5	300	> 12	80,000

The data are only intended as a guide and should not be used in preparing specifications.

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