

**NEW !**  
 optimized quality

## ProtoSil RTV 240

<b>General</b>	ProtoSil RTV 240 new is a pourable , addition curing silicone rubber system, which vulcanises at room-temperature. The transparency rubber has a shore-A-hardness of approx. 40 and good tear and tensile strength.		
<b>Properties</b>	<ul style="list-style-type: none"> <li>• good flow</li> <li>• non-shrink cure at room temperature</li> <li>• accelerated considerably under heat</li> <li>• very good mechanical properties</li> <li>• excellent resistance to ProtoCast / NEUKADUR (Polyurethane and epoxy resins) products ensures very long life of the moulds.</li> <li>• <u>two crosslinker</u>: B 1 (standard), B 2 (self-bleeding) crosslinker B1 and B2 are mixable</li> <li>• NEUKASIL retarder SN 2432 added 0,1 % to comp A or comp. B will effect a pot-life of approx. 2h 10min. added 0,2 % to comp A or comp. B will effect a pot-life of approx. 2h 40min.</li> </ul>		
<b>Mixing-ratio</b>	100 p.b.w. ProtoSil RTV 240 comp. A 10 p.b.w. ProtoSil RTV 240 comp. B 1 or 10 p.b.w. ProtoSil RTV 240 comp. B 2		
<b>Applications</b>	ProtoSil RTV 240 is particularly suitable as a mould making material for the reproduction of models with undercuts especially in the field of manufacturing prototypes in the vacuum casting process. ProtoSil RTV 240 is formulated with a slight self bleeting effect.		
<b>Form of delivery</b>	<b>ProtoSil RTV 240 comp. A</b>	<b>ProtoSil RTV 240 comp. B 1</b>	<b>ProtoSil RTV 240 comp. B 2</b>
	1 kg can 5 kg drum 20 kg drum 200 kg drum	0,1 kg bottle 0,5 kg bottle 2,0 kg bottle 20,0 kg can	0,1 kg bottle 0,5 kg bottle 2,0 kg bottle 20,0 kg can
<b>Processing</b>	Only components A and B that have the same batch-endnumber may be processed together.		
<b>Safety</b>	The general regulations of working hygiene must be closely observed. Further detailed information are contained in our safety data sheets.		
<b>Storage stability</b>	ProtoSil RTV 240 comp. A has a shelf life of approx. 12 month, the RTV 240 comp. B approx. 6 month if stored in closed original drums at room temperature (18-25 °C).		

		<b><u>ProtoSil RTV 240</u></b>	<b><u>PS RTV 240</u></b>	<b><u>PS RTV 240</u></b>
		<b><u>comp. A</u></b>	<b><u>comp. B 1</u></b>	<b><u>comp. B 2</u></b>
<b><u>Product data</u></b>				
colour		transparent	colourless	colourless
viscosity (25 °C)	mPa·s	approx. 64.000	ca. 320	424
density (25 °C)	g/cm <sup>3</sup>	approx. 1,10	approx. 0,93	0,93
<b><u>properties of the mixture</u></b>				
mixing ratio	p.b.w.	100	10	10
mixing viscosity (25 °C)	mPa·s		approx. 35.000	35.000
mixing density (25 °C)	g/cm <sup>3</sup>		approx. 1,05	approx. 1,05
pot-life in minutes	25 °C		approx. 90 .	approx. 80
cutting-time in hours (10 mm thickness)	25 °C		approx. 15	approx. 15
<b><u>properties of the cured product</u></b>				
shore A hardness	DIN 53 505	points	approx. 42	approx. 40
tensile strength	DIN 53 504	MPa	approx. 5.0	approx. 5,0
elongation at break	DIN 53 504	%	approx. 700	approx. 700
tear strength	ASTM D 624 B	N/mm	> 25	approx. 34
max. permissible operating temperature		°C	approx. 200	approx. 200
linear shrinkage		%	approx. 0.1	approx. 0.1
Coefficient of linear expansion		[m/(m K)]	2,5 x 10 <sup>-4</sup> (0 - 150 °C)	2,5 x 10 <sup>-4</sup> (0 - 150 °C)
<b><u>electrical properties</u></b>				
spec. resistance	DIN 53 482	Ω cm	10 <sup>15</sup>	10 <sup>15</sup>
dielectric strength	DIN 53 481	KV/mm	22	22
dielectric constant	DIN 53 483	ε r	3.0	3.0
dissipation factor tan δ	DIN 53 483	60 Hz	0.008	0.008

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 you from the duty to check by yourselves 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