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TECHNICAL DATA	RepliSet	RepliFix
Viscosity of uncured compound	Very low (F-types) Low (T-types)	High
Detail reproduction	Down to 0.1 µm	Down to 5 µm
Shrinkage	Negligible	Negligible
Tear strength	15-20 kN/m ²	Low
Hardness	30 Shore A	76 Shore A
Temperature range for the surface to be examined	-10°C to + 180°C (14°F to + 356°F)	0°C to + 150°C (32°F to + 302°F)
Life span of the finished replica	Practically indefinite	Practically indefinite

SPECIFICATIONS	Cat. No.	Cat. No.
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<p>RepliSet Replication system for non-destructive testing of a microstructure or a 3D structure. Fast curing two-part silicon rubber compound for flexible high-resolution 3D replicas. For the 50 ml system, the hand-operated dispensing gun (40900066) and the static mixing nozzles (40900088) are used in combination with the 50 ml cartridges. For the 265 ml system, the hand-operated dispensing gun (40900065) and the static-mixing nozzles (40900056) are used in combination with the 265 ml cartridges.</p>		<p>RepliFix Specially formulated hand mixed fast curing two-part silicone rubber. Bonds to RepliSet. Particularly useful in combination with RepliSet for producing a rigid backing. It can be used directly for moulding of surface shape for profile measurement.</p>
<p>RepliSet-F1 Particularly useful for replicating horizontal or sloping surfaces in low temperature conditions or where rapid results are required. Fluid rapid curing compound with working life of 0.5-1 min. and curing time of 4 min. at 25°C (77°F).</p>		<p>RepliFix-2 For low temperature conditions or where rapid results are required. Working life of 2-3 min. and curing time of 10 min. at 25°C (77°F).</p>
<p>1 cartridge of 50 ml 40900069 5 cartridges of 50 ml 40900047 2 cartridges of 265 ml 40900051</p>		<p>500 g 40900084</p>
<p>RepliSet-F5 General-purpose material. Particularly useful for replicating horizontal or sloping surfaces in normal or high temperature conditions. Fluid fast curing compound with working life of 5 min. and curing time of 18 min. at 25°C (77°F).</p>		<p>RepliFix-20 For high temperature conditions or for taking replicas of complicated geometry or large areas. Working life of 20 min. and curing time of 60 min. at 25°C (77°F).</p>
<p>1 cartridge of 50 ml 40900068 5 cartridges of 50 ml 40900046 2 cartridges of 265 ml 40900050</p>		<p>500 g 40900086</p>
<p>RepliSet-T1 Particularly useful for replicating vertical or overhead surfaces in low temperature conditions or where rapid results are required. Thixotropic rapid curing compound with working life of 0.5 - 1 min. and curing time of 4 min. at 25°C (77°F).</p>		<p>ACCESSORIES</p>
<p>1 cartridge of 50 ml 40900071 5 cartridges of 50 ml 40900049 2 cartridges of 265 ml 40900053</p>		<p>Dispensing Gun Hand-operated dispensing gun. For 50 ml cartridges 40900066 For 265 ml cartridges 40900065</p>
<p>RepliSet-T3 General-purpose material. Particularly useful for replicating vertical or overhead surfaces in normal or high temperature conditions. Thixotropic fast curing compound with working life of 3 min. and curing time of 10 min. at 25°C (77°F).</p>		<p>Static-mixing Nozzles For RepliSet replication compound in 50 ml cartridges, 35 pcs. 40900088 265 ml cartridges, 10 pcs. 40900056</p>
<p>1 cartridge of 50 ml 40900070 5 cartridges of 50 ml 40900048 2 cartridges of 265 ml 40900052</p>		<p>Nozzle Tips For replicating flat surfaces. Fishtail spreaders, 10 mm width. To be mounted on 50 ml static-mixing nozzle (40900088). 30 pcs. 40900089</p>
<p>RepliSet-GF1 Replication system especially for comparator macroscopy and metrology. Particularly useful for replicating horizontal or sloping surfaces and filling holes. Fluid rapid curing compound with working life of 0.5-1 min. and curing time of 4 min. at 25°C (77°F).</p>		<p>For replicating small holes. Luer needle, 1 mm dia., 30 mm long. To be mounted on 50 ml static-mixing nozzle (40900088). 10 pcs. 40900060</p>
<p>1 cartridge of 50 ml 40900078 5 cartridges of 50 ml 40900076</p>		<p>For replicating larger holes. Flexible hose, 6 mm dia., 100 mm long. To be mounted on 50 ml static-mixing nozzle (40900088). 10 pcs. 40900061</p>
<p>RepliSet-GT1 Replication system especially for comparator macroscopy and metrology. Particularly useful for replicating vertical or overhead surfaces. Thixotropic rapid curing compound with working life of 0.5-1 min. and curing time of 4 min. at 25°C (77°F).</p>		<p>Backing Slides A flexible plastic slide, which bonds to the replica and ensures a flat back to the replica. For levelling of replicas to assist microscopic examination, as dimensional support for metrology and for well-ordered labelling, transport and storage of RepliSet replicas. 26 x 76 x 1 mm. 50 pcs. 40900087</p>
<p>1 cartridge of 50 ml 40900079 5 cartridges of 50 ml 40900077</p>		<p>Backing Paper Bonds to the replica and facilitates labelling, handling and the levelling of replicas to assist microscopic examination. 60 x 70 mm. 100 pcs. 40900062 A4 (210 x 297 mm). 10 pcs. 40900063</p>
		<p>Case for RepliSet 50 ml System Aluminium carrying case with room for all necessities for field applications. The content is ordered separately. L x d x h = 445 x 155 x 330 mm 40900067</p>

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Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.