WACKER Silicones
Liquid Silicone Rubber
ELASTOSIL® LR 3003/20 A, B

Characteristics:
Liquid silicone rubbers of the ELASTOSIL® LR 3003 series are paste-like, easily-pigmentable two-component compounds with very short curing times. Their vulcanizates are noted for their high transparency and excellent mechanical and electrical properties. When heat stabilizers are added, the products can be used within a temperature range of –55 °C to +230 °C, and for a short time up to +300 °C.

ELASTOSIL® LR 3003/20 A, B

Property	Test method	Unit	Values
Hardness Shore A	DIN 53505	---	20
Appearance		Transparent	
Specific gravity	DIN 53479 A	g/cm³	1,10
Viscosity (shear rate 0,9 s^{-1})	DIN 53019	MPa s	170 000
Viscosity (shear rate 10 s^{-1})	DIN 53019	MPa s	90 000
Tensile strength	DIN 53504 S 1	N/mm²	8,2
Elongation at break	DIN 53504 S 1	%	810
Tear resistance	ASTM D 624 B	N/mm²	18
Rebound resilience	DIN 53512	%	50
Compression set (22h / 175 °C)	DIN ISO 815-B	%	14
Dielectric strength (1mm-sheet)	DIN IEC 243-2	kV/mm	23
Volume resistivity	DIN IEC 93	Ω · cm	5×10^{15}
Dielectric constant (50 Hz)	DIN VDE 0303	kV/mm²	3,1
Dissipation factor (50 Hz)	DIN VDE 0303	tan δ	30×10^{-4}
Tracking resistance	DIN 53480	---	KA 3 c