

Silicone range for industrial applications

Reference	Working time	Removal from mold	Mix viscosity (mPa.s)	Hardness	Elongation at break (%)	Tensile strength (N/mm ²)	Application
RTV							
COPSIL GEL 00	1 h 40	6 h	4 000	25 Sh 000	-	-	RTV silicone gel, low return, translucent, very sticky, compact and very supple.
COPSIL GEL 25	1 h 30	3 h	6 800	25 Sh 00	750	0.6	RTV silicone gel, viscoelastic, translucent, sticky and very supple with a hardness of 25 Shore 00. It can be used in contact with the skin (ISO 10993-5).
COPSIL 5	1 h	3 h	5 500	5 Sh A	800	1.3	Very high elongation and extremely resistant RTV-2 silicone: electronic potting, comfort applications, food contact and skin contact.
COPSIL 20	25 min	2 h	6 000	20 Sh A	900	3.5	Self-debubbling RTV-2 silicone: fast impression taking, membrane moulding or casting of complex parts with undercuts.
COPSIL 40	20 min	12 h	45 000	40 Sh A	250	2.4	RTV-2 silicone with high tear resistance, even when notched, high transparency: mould making, quick prototyping or custom moulding, dry quality and skin contact.
COPSIL DUPLICATOR	2 min	10 min	Thixotropic	30 Sh A	500	2.6	Thixotropic impression silicone, good mechanical properties, direct skin application, fast setting, soft enough for sock-like shrinkage, high detail reproduction, mould durability, skin contact quality.
COPSIL 3D	25 min	1 h	25-30 000 at 10 s ⁻¹	5 to 40 Sh A	300 to 1 000	1.5 to 4.5	Printed silicone elastomers designed for the manufacture of flexible parts with complex design or small series production (prototyping).
LSR							
LSR high hardness	Custom	Custom	800 000 to 1 400 000	40 to 60 Sh A	300 to 700	6 to 8	Fast curing liquid silicone for injection molding processes for the manufacture of seals, bellows, valves, molds, etc.
LSR low hardness	Custom	Custom	80 000 to 500 000	45 to 60 Sh 00	900 to 1 400	1.5 to 3	Fast curing liquid silicone for injection molding processes for the production of flexible and comfortable parts with a high level of thermal and mechanical resistance.