

Mabanol Silicone Sealing Compound

High-performance RTV silicone-based sealant

Application

Mabanol Silicone Sealing Compound is an adhesive and sealant that achieves optimum seals, protection and adhesion to a broad range of materials. It is typically used when bonds or seals to surfaces in heating or cooling devices are required or in applications where electronic components need protection from external forces (vibration, impact, moisture and chemicals), for instance bonding and sealing parts in household appliances (e.g. ovens and ceramic hobs), seals in electronic components (e.g. accumulators), seals in automotive applications (e.g. intake manifolds, oil pumps, oil pans, camshaft bearing covers, gearbox and front covers) and door seals.

Properties

Mabanol Silicone Sealing Compound is a neutral cure one-component RTV silicone formulated for use in a wide range of industrial applications. This silicone spray is low odor and non-corrosive since the byproducts of cure are chemically neutral. Further to the above the product offers a high temperature resistance, mechanical strength and resistance to vibration as well as excellent weather and chemical resistance.

Shelf life: 2 years in pressurized can.

EAN Code

200 ml spray can: 4260214892907

Data of product in spray can

	Test method	Unit	Value
Density		g/cm ³	1,25
Viscosity at 25°C (10s ⁻¹)	EN 12 092	mPa s	60.000 – 80.000
Viscosity at 25°C (100s ⁻¹)	EN 12 092	mPa s	15.000 – 25.000
Extrusion rate (at 25°C, 5,5 bar, 3mm opening)		g/15 seconds	150 – 250
Volume shrinkage		%	5 – 7
Loss of weight		%	1 – 3
Skinning time		minutes	5 – 10
Curing process at 50% r.h.		mm/24h	2 – 3

Data after solvent evaporation (after curing @ 23°C, 50% r.H.)

	Test method	Unit	Value
Thermal range		°C	-60 to +260 (max.+300)
Tensile strength	DIN 53504 S2	N/mm ²	~ 2
Elongation at break	DIN 53504 S2	%	~ 550
Recoverability	DIN EN 27 389	%	~ 90
Hardness (Shore A)			~ 30
Dielectric constant @ 1MHz	ASTM D-150		2,8

Updated in January 2020

The above values may vary within the commercial limits.

Customs Tariff No.: 3214 1000