

BLACK/GREY SILICON

Gasket maker

➤ DESCRIPTION

RTV silicone sealant is a neutral silicone sealant, capable of curing upon exposure to ambient moisture and forming a highly elastic rubber. It is unaffected by sunlight, ultraviolet (UV) rays, rain, snow, and extreme temperatures, etc. It is suitable for sealing parts subjected to high service temperatures of +260°C, and can withstand intermittent temperatures of up to +320°C. Its adhesive capacity is very versatile, proving effective on many substrates.

➤ PROPERTIES

- ❖ Single-component, no pre-mixing required.
- ❖ Particularly suitable for sealing ovens, stoves, chimney filters, machine and engine joints, mufflers and exhaust pipes, electrical circuits, solar panels, etc.
- ❖ Suitable for sealing any material subjected to high temperatures.
- ❖ Does not emit unpleasant odors.
- ❖ Does not attack copper or its alloys.
- ❖ Acid-free.
- ❖ Excellent temperature resistance up to +320°C.
- ❖ No volume shrinkage during drying, withstands thermal cycles without shrinking or undergoing modifications.
- ❖ Good adhesion to most common materials.

➤ APPLICATION

1. Remove residues of old seals and degrease the surface until all traces of dirt are completely eliminated. In certain cases, it is recommended to clean with organic solvents (alcohol, acetone, or MEK) to completely remove all contaminants.
2. Apply RTV gasket maker uniformly over the entire surface, paying special attention to the edges of the holes that will be bolted to avoid leaving them without silicone.
3. Join the parts to be joined until there is full contact between the two parts.
4. Gently move the two parts to evenly distribute the silicone on the surface.
5. Separate one of the parts for 2 or 3 seconds and then rejoin them.
6. Screw the pieces according to the manufacturer's instructions.

➤ Physical and Chemical Characteristics

UNCURED PRODUCT

PARAMETER	RULE	RESULT
Aspect	Visual	Thixotropic Paste
Composition	-	Silicone Elastomer with Neutral Crosslinking System
Skin formation at 23°C/50% H.R. (min)	ASTM C-679-71	5-15
Curing speed a 23°C and 55% H.R. : mm/24hours	-	3-4
Application temperature °C	-	-5 a +40

PRODUCT CURED AFTER 14 DAYS AT 23°C Y 50% H.R

PARAMETER	RULE	RESULT
Aspect	Visual	Similar to rubber
Hardness (ShA)	DIN 53505	40 +- 3
Elastic modulus 100% (MPa)	DIN 53504	0.4-0.5
Tensile Strength	DIN 53504	1.0-1.2
Elongation at break %	DIN 53504	500 +- 100
Service temperatura resistance °C	-	-40 a +260
Short-term temperatura resistance °C	-	+320

➤ STORAGE

Store in a cool, dry place in its original container, between +5 and +35°C. Shelf life is 18 months in its original, unopened container.

➤ PRESENTATION

Available packagings 75ml (24uds) y 200ml (12uds).