



■ COD. **9000STN/N**
High temperature neutral black silicone

Technical data sheet
 Rev. 16/07/20

Description

Single-component silicone sealant, hygro-hardening polymerization suitable for sealing in construction and industrial applications. It cures at room temperature under the action of atmospheric humidity to ensure permanent and flexible silicone bonding even at high temperatures (+200 °C). Corrosion/stain free on metal or plastic surfaces; does not glue and does not slip into the vertical joints; excellent adhesion without the use of primer; instant adhesion capacity at low (+5 °C) and high temperatures (+40 °C); flexible at extreme temperatures (-40 °C) and high temperatures (+200 °C); hygro-hardening cross-linking system; it maintains the elastic properties even when constantly exposed to temperatures of +200 °C; withstands temperature peaks up to 250 °C; excellent machining characteristics for professional use; UV resistant.

Applications

Gluing and sealing of furnaces, chimneys, boilers and flues, sealing parts of pumps, heating systems and household appliances exposed to high temperatures, engines gaskets, industrial and marine cars, sealing of mechanical parts subjected to high temperatures, joints sealing between surfaces with different materials (wood, concrete, glass, ceramic, brick, zinc, aluminum, copper and most of plastics) exposed to temperatures of 200 °C and for short periods to 250 °C.

Storage

Store in its original packaging in a dry place, away from direct light, in a cool environment at temperatures between + 5 ° C + 25 ° C it has a shelf life of 14 months. The production batch and expiration date are indicated on each package and also on the cartridge. If the material is stored beyond the recommended expiration date, it is not necessarily unusable, but a quality control should be done on the properties relevant to the application. However, in this case, the properties required for the intended use must be checked for quality and guarantee reasons.

Characteristics	
Composition	100% pure silicone
Polymerization system	single-component
Appearance	dense dough
Colour	black (non gluing)
Dielectric properties	good
Adhesion capacity at high and low temperatures (+5°C/+40°C)	immediate
Ability to maintain elastic properties even when exposed to temperatures of +200°C	constant
Temperature resistance	peaks up to 250°C
Flexibility at high and low temperatures (-40°C/+200°C)	excellent
Packaging	
cartridge	boxes
280 ml	24-piece packaging

Non-vulcanized rubber			
Properties	Verification procedure	Units	Value
Density at 23°C	ISO 1183-1A	(g/cm ³)	1,07
Consistency	ISO 7390, U20 profile		non gluing
Cross-linking time at 23°C/50% r.h.		(mm/24h)	2
Film formation time at 23°C/ 50% r.h.		(min)	15
Vulcanized rubber			
Properties	Verification procedure	Units	Value
After 4 weeks of storage at 23 ° C / 50% r.h.			
Tensile strength	ISO 8339	(N/mm ²)	1,00
Maximum elongation	ISO 8339	%	200
100% elongation module	ISO 8339	(N/mm ²)	0,50
Shore A hardness	ISO 868	(N/mm ²)	28
Resistance to temperatures		(°C)	-40 / +200

These data are intended as informational material only and should not be used in the preparation of specifications.