



EXPERIENCE TO PERFORM

## TECHNICAL DATA SHEET

# MOTORBLACK SILICONE SEAL

### - *PRODUCT DESCRIPTION*

**Motorblack** is a single component silicone elastomer with acetic cross-linking system.

Its technical properties are superior to normal silicones, allowing the product to be used in the automotive industry where resistance capacities are required under particularly severe conditions of temperature, pressure and resistance to solvents, lubricating fluids and mechanical stresses.

Silicone has excellent dielectric properties and excellent adhesion to most materials.

The product is specifically designed for sealing oil sumps of "Fire" engines and it is recommended in the industrial sector as a sealant for the moving parts of machines, such as, for example, pumps, turbines, compressors and as an alternative to pre-formed sealants. In the electrical sector, it is used as an insulator. It is suitable for bonding already polymerized silicone and wherever seals resistant to high temperatures, oils and solvents are required.

### - *TECHNICAL SPECIFICATIONS*

- Cross-linking type acetic
- Physical appearance Thixo paste
- Temperature of application  $+5 \div +40^{\circ}\text{C}$
- Operating temperature  $-70 \div +250^{\circ}\text{C}$   
for short periods  $+ 300^{\circ}\text{C}$
- Specific weight 1.04 g/ml
- Skin formation 6 minutes
- Polymerization velocity 4 mm/day
- Modulus of elasticity 0.6 MPa
- Tensile strength 2 MPa
- Elongation at break 425%
- Dielectric strength 20 KV/mm
- Shore A hardness 24
- Heat conductivity at  $+30^{\circ}\text{C}$  0.2 W/mK  
at  $+150^{\circ}\text{C}$  0.16 W/mK

After cross-linking, the product is resistant to water, fuels, mineral and synthetic oils, radiator liquids.

### - *METHOD OF USE*

Use on clean and grease-free surfaces. Assemble the pieces after around 20 minutes (skin formation)

It is possible to accelerate the cross-linking through heat.

### - *STORAGE*

Product validity after packaging in sealed package and stored at room temperature: minimum 24 months

### - *NOTES*

During hardening, traces of acetic acid vapors are released. Avoid extended contact of the product with the skin and the eyes; in the event of contact with eyes, wash abundantly with water.

### - *PACKAGING*

Aluminum tube

Contents 60 g

Code 0094

### - *NOTES*

For information on product safety, please consult the safety sheet.

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The data contained herein are the result of technological research by our laboratories and are given for informative purposes only. We exclude any liability deriving from the incorrect choice or application of the product and from the lack of the necessary precautions, which should be carefully checked by the user. For information, please contact our Technical Dept. on no. +39 02924361

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