

Product information

Black Silicone Sealing Compound

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Description

Black Silicone Sealing Compound is a heat-resistant, single-component sealant that vulcanizes under the influence of air humidity and cures to form a permanently elastic mass. Black Silicone Sealing Compound can be used to seal a wide variety of materials (e.g. metal, plastic, glass, porcelain, painted wood surfaces, etc.) in engines, transmissions, vehicles, containers, plants and heating facilities as well as in air conditioning systems.

Properties

- adheres well to vertical surfaces
- resistant to stresses and vibrations
- outstanding thermal stability
- free of solvents, formaldehyde, CFCs, PCB, PCP
- permanently elastic
- enables a multifaceted range of applications
- outstanding chemical resistance

Technical data

Curing rate at 23 °C / 50 % ~ 2,0 mm/24h rh

Density	0,95 - 1,28 g/cm ³
Tensile stress at 100 % elongation	~ 0,60 N/mm ² DIN 52455
Base	Silikon auf Oximbasis 7 Silicone with oxime basis
Operating temperature range	-65°C bis +260°C, kurzfristig bis +315°C
Penetration after 5 seconds	185 +/- 30 1/10 mm DIN 51579
Hardness, Shore A	40 +/- 5 DIN 53505
Processing temperature	+5°C bis +40°C / +5°C to +40°C
Skin formation time at 23 °C/50 % relative humidity	~ 8 min
Color / appearance	je nach Spezifikation / according to specification
Odor	charakteristisch / characteristic
Form	pastös, flüssig / pastelike, liquid
Viscosity at 40 °C	>7 mm ² /s
pH value	7
Shelf life in original sealed container	24 Monate



Areas of application

Black Silicone Sealing Compound is exceptionally well-suited to sealing housings on engines, transmissions, differentials, end covers, oil pans, valve covers, water pumps, battery boxes, headlights and other lights, etc.

Application

The surfaces to be sealed must be clean, dry and free of oil and grease. Remove cap and turn cartridge tip by 90°. Apply material evenly and immediately join parts without flash-off time. After applying, turn cartridge tip by 90° again and press cap onto nozzle.

Note: Insufficient adhesion on substrates such as PP, PE, Teflon and bitumen can be expected. This is why we recommend that you carry out an adhesion test prior to application.

Available pack sizes

80 ml Cartridge plastic	6177 D-GB-F-ARAB
80 ml Cartridge plastic	7639 RUS-UA
200 ml Can aerosol	6185 D-GB-F-I-E-NL-P
200 ml Can aerosol	2859 GB-DK-FIN-N-S

Our information is based on thorough research and may be considered reliable, although not legally binding.