

Silicone Sealing Compound, black

Description

Heat-resistant, single-component sealant. Vulcanizes under the influence of air humidity and cures to form a permanently elastic mass. For sealing 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 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 - 3 mm/24h rh

Tensile stress at 100 % elongation	~ 0,60 N/mm ² DIN 52455
Base	Silikon Neutral- /Oximvernetzend / Silicone neutral/oxime cross-linked
Operating temperature range	-40 - +250 (kurzfristig bis +300) / -40 - +250 (temporary up to +300) °C
Penetration after 5 seconds	185 +/- 30 1/10 mm DIN 51579
Hardness, Shore A	ca. 28 - 31 DIN 53505
Processing temperature	+5 bis +35 / +5 to +35 °C
Skin formation time at 23 °C/50 % relative humidity	10 - 15 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	18 months
Optimum storage temperature	2 - 15 °C



Areas of application

For sealing oil and transmission pans, engine housings, differentials, valve covers, water pumps, spur gear covers, headlamps, taillamps, battery boxes, etc. For metal parts, plastic and glass.

Application

The surfaces to be sealed must be clean, dry and free of oil and grease. Apply material evenly and join parts immediately without flash-off time.

Note: Insufficient adhesion can be expected on substrates such as PP, PE, Teflon and bitumen. That is why we recommend carrying out an adhesion test before use.

Comment

For long-term storage, the ambient temperature must not fall below 10 °C.

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.