

HT305

Neutral Gasket Maker

1 - Description

Akfix HT305 Neutral Gasket Maker is a high-performance silicone sealant developed for sealing, bonding and repairing works where heat resistance is required. It is an ideal sealant for high temperature construction applications. It reacts with atmospheric moisture to produce a tough, elastic silicone.

2 - Properties

- Excellent heat resistance after curing up to 250 °C, permanently and up to 305 °C temporarily.
- Neutral cure, RTV silicone.
- 100% silicone.
- Fast cure, high strength.
- Resists to mechanical enforcement after curing.
- Remains flexible at low (-40 °C) and high (+250 °C) temperatures.

3 – Application Areas

- Sealing and bonding applications in automotive
- On heating systems and ovens for sealing/ tightness
- Sealing and bonding in stoves
- In heating devices
- Gaskets in pumps and motors
- In sealing chimneys
- Other bonding and sealing applications where parts must perform at high temperatures

4 – Product Information

Packaging	70 ml, 310 ml
Shelf Life	15 months (for blister tubes), 12 months (cartridges)
Storage Conditions	Away from direct sunlight and moisture, between +10 °C and +25 °C

5 – Directions for Use

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.

- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 6 mm. joint depth is recommended for joint widths between 6 mm to 12 mm

6 – Technical Data

Before Curing	Method /Condition	Value
Basis		: Silicone Polymer
Consistency		: Oxime
Density		: 1,32 ±0.02 g/ml
Hardness Shore A	(After 28 days)	: 40-45
Tensile Strength	ASTM D412 (23°C and %50 R.H.)	: ≥ 1,5 N/mm ²
Skin formation	23°C and 50% R.H	: 7-13 min.
Curing Rate	23°C and 50% R.H	: Min. 3 mm/day
Elongation At Break	ASTM D412	: ≥ 250%
Elastic Recovery	ISO 7389	: ≥ 60%
Sagging	ISO 7390	: 0 mm
Application Temperature		: +5°C to +40°C
Temperature Resistance		: -40°C to +305°C

Consumption (Approx.)

Joint width	6 mm	9 mm	12 mm
Joint Depth	6 mm	6 mm	6 mm
Joint length / 310 mL	8 meters	6 meters	4 meters

7 – Remarks & Restrictions

- Not paintable.
- Not appropriate for parts that are in continuous contact with fuels or surfaces that may bleed oils.

8 – Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

9 – Disclaimer

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