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TECHNICAL DATA SHEET

Easy Silicon HT 300

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Product description

Zettex Easy Silicon HT 300 is an acetoxy RTV Silicone Sealant which cures with atmospheric humidity to a permanently elastic seal with outstanding resistance to high temperatures, mineral oils, diluted acids, UV and weathering.

Material

Acetoxy

Advantages

- Permanent elastic
- Resistance against temperatures of 300 degrees.
- Easy to process

Application areas

The Easy Silicon HT 300 is especially suited for applications where high temperature resistance is required e.g. heat converters, boilers, steam piping, radiators, ovens, electrical insulation as well as for formed in place gaskets in the automotive field, e.g. overhead cam valve and timing chain covers, oil pans, water pumps, thermostat housings, transmission pans, etc.

The surface have to be clean, dry, free of dust and other contaminants. Adheres on most non porous materials such as metals, glass, rigid plastics, ceramic, etc. Clean surfaces with Isopropanol or other solvent.

Packaging

Cartridge 310 ml

Colour

Red

Shelf life

12 months in unopened packing below 25 degrees.

Properties	Specifications
Density	1.04
Viscosity	Non-sag paste
Tack-Free time	10 min
Cure time at 23 °C, 50 % r.h.	4 mm/24 h
Hardness Shore A	25
Tensile strength	1.8 MPa
Shear strength (alu, 1 mm)	2.0 MPa
Elastic Modulus 100 %	0.52 MPa
Elongation at break	500 %
Recovery from deformation	98 %

Temperature resistance	-60 °C to 270°C. Temporary until 300 °C
Dielectric strength	20 kv/mm ASTM D 419
Dielectric constant	3 at 1 Mhz ASTM D 150
Dielectric dissipation factor	3x10-3 at 1 Mhz ASTM D 150
Volume resistivity	2x10 ¹⁵ OHM cm ASTM D 257
Thermal conductivity	315 cal/sec./cm ² , °C/cm