

TECHNICAL DATASHEET

STALOC 5S73

Gasket, low strength

PRODUCT DESCRIPTION

Low strength, anaerobic adhesive used for bonding and sealing of flanges and other metallic surfaces, e.g. on pumps, gearbox cases, engine flanges, etc.

The low strength of the product ensures a safe and long-lasting seal, while maintaining the ability to easily disassemble the sealed parts for maintenance or repair purposes. STALOC 5S73 is used as a replacement for solid rubber seals. Its working temperature range is from -55°C to 150°C. It can be applied on vertical surfaces. It is impact and vibration resistant once fully cured.

PHYSICAL PROPERTIES (WHEN LIQUID)

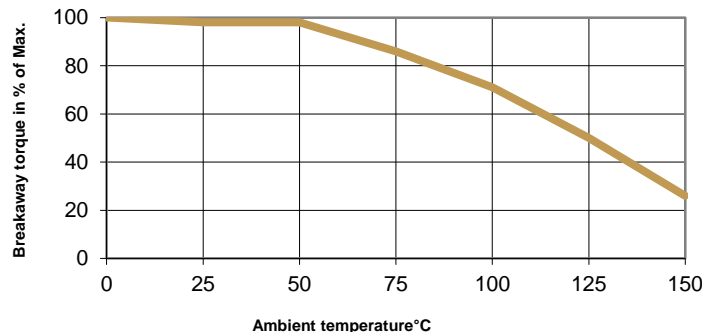
ATTRIBUTE	UNIT	SPECIFICATION
colour		green / fluorescent under blue light
viscosity at +25°C	mPas	17.000 – 60.000 thixotrop
max. gap	mm	0.30 mm
density at +25°C	g/ml	1.05 g/ml
flashing point	°C	> 100°C
chemical basis		Dimethacrylic ester
shelf life at +25°C		min. 1 year

PHYSICAL PROPERTIES (WHEN CURED)

Tested with screw M10 x 20 - quality 8.8 galvanized - nut 0.8d (without preload)

ATTRIBUTE	UNIT	SPECIFICATION
finger tight after	min	20 - 40 min
functional cure time	h	3 - 6 h
final cure time	h	6 - 24 h
shear strength (ASTM D-1002)	Nm	4 - 6 Nm
tensile strength (ASTM D-2095)	Nm	2 - 4 Nm
impact strength (ASTM D-950)	N/mm ²	4 - 8 Nm
elongation at break		> 100%
temperature resistance	°C	-55°C to +150°C

TEMPERATURE RESISTANCE OF THE GASKET



CHEMICAL RESISTANCE

After 24h of polymerisation

substance	temperature [°C]	resistance		
		after 100 h	after 1,000 h	after 5,000 h
Motor oil	125	excellent	excellent	excellent
Gear oil	125	excellent	excellent	excellent
Gasoline	25	good	good	good
Water / Glykol 50%	87	excellent	excellent	excellent

APPLICATION

Recommended application – further information can be found in the material safety data sheet

Use on metal surfaces. The parts to be bonded need to be cleaned and degreased. It is recommended to use STALOC technical cleaners (e.g. STALOC industrial quick cleaner), in order to ensure the best results in terms of adhesion. Apply anaerobic adhesive filling the complete gap. Join the parts.

Applicability of the anaerobic adhesive on special surfaces or coatings, thermoplastics and elastomers needs to be tested.

The curing time of STALOC anaerobic adhesives can be accelerated using the STALOC activator for anaerobic adhesives.

Use suitable tools in case you need to disassemble the bonding. In order to ease the disassembly heat substrates to more than 200°C.

STORAGE

Recommended storage for optimum shelf life

Store product at an optimum temperature between 5°C and 25°C. Keep cool and dry. Make sure that the content is not contaminated once the bottle has been opened, in order to ensure an optimum shelf life. In case you need any further information, please contact the STALOC team.

SAFETY INFORMATION

Please send your request for the latest version of the material safety data sheet (MSDS).

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