

TECHNICAL DATA SHEET

Low-strength flange sealant

Art. no. 0893 573 050 P. Qty.: 1

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For sealing flanges and surfaces with minimum joints up to max. 0.3 mm. Replacement for solid seals.

Weight of content	50 g
Chemical basis	Dimethacrylic acid
	ester
Fully hardening/curing conditions	Exclusion of
	oxygen and
	contact with metal
	(copper or iron
	ions)
Colour	Green fluorescent
Min./max. viscosity 1/conditions 1	55000-80000
	mPas/at 25°C,
	Brookfield RVT,
	spindle 6/2.5 rpm
Min./max. viscosity 2/conditions 2	15000-25000
	mPas/at 25°C,
	Brookfield RVI,
	spindle $0/20$ rpm
	1.05 g/cm°/
Density/conditions	
	2811-1
Min./max. initial strength	15-30 min
Min./max. functional strength	3-6 h
Min./max. final strength	6 h-24 h
Min./max. processing temperature	5 to 35 °C
Min./max. temperature conditions	-55 to 150 °C
Min. flashing point	100 °C
Min. prevail torque	3 Nm
Conditions for prevail torque	DIN EN 15865
Min./max. compressive shearing strength/conditions	4-11 N/mm ² /in
	accordance with
	ISO 10123
Min./max. tensile strength/conditions	2-8 N/mm ² /in
	accordance with
	ASTM D-2095
Min./max. shear strength	2-4 N/mm ²
Conditions for tensile shear strength	in accordance
	with ASTM D-950
Min. breakaway torque	8 Nm
Breakaway torque conditions	DIN EN 15865





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Shelf life from production/conditions	18 Month/at
	room temperature
Silicone-free	Yes
Solvent-free	Yes

Application area

For sealing flanges and surfaces with minimum joints up to max. 0.3 mm. As a replacement for solid seals. The low-strength flange sealant is for use in the automotive and commercial vehicle industry, in metalworking and tool manufacturing, shipbuilding, mechanical engineering and engine construction, electrical and electronics construction, food, beverage, pharmaceutical and paper industries etc.

Ideal for applications in which good wetting is required, for instance on complicated cast parts and smooth surfaces.

Application information

The surface must be free of oil, grease and other contaminants. Best adhesive results are achieved when the surfaces are cleaned with Metal cleaner 7063 (art. no. 0890 107 063). Observe the flash-off time!

Manually apply the product to the flange surface as a continuous bead or flat by screen printing. The flange should be closed tightly as soon as possible after joining, so that the product does not build up and cause gaps.

After assembly, the adhesive hardens to a viscoplastic. The cleaner the surface, the more secure the bonding.

The low-strength flange sealant cures anaerobically, meaning that it only hardens where no atmospheric oxygen comes into contact with the adhesive. At the same time, the hardening speed is still influenced by the catalytic effect of metal and the gap width.

Excessive adhesive that is pressed out of the gap between the two parts will not harden and can be removed with a dry cloth or a cloth saturated with acetone cleaner (art. no. 0893 460).

Proof of performance

- NSF registered, Class S2, sealants no direct contact with food
- NSF-tested in accordance with NSF/ANSI 61 for use in service water and drinking water up to +82°C



Notice

The following plastics can be affected in the event of prolonged exposure: ABS, celluloid, polystyrene, polycarbonate (Macrolon), PMMA (Plexiglas), polysulfone, SAN (lurane, Tyril), Vinidur, vulcanised fibre, and painted surfaces.



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The usage instructions are recommendations based on the tests we have conducted and on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no liability is assumed in relation to the provision of this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee the consistent quality of our products. We reserve the right to make technical changes and further develop products. Please observe the technical data sheet!