

# BöttcherTec

## Si-Serie

Silicone coverings for mechanically high loaded roller positions

*BöttcherTec* - coverings of the Si series are developed for roller positions in a high temperature range that are mechanical loaded on high level. They are used in fields where conventional coverings are not suited because of their limited temperature resistance.

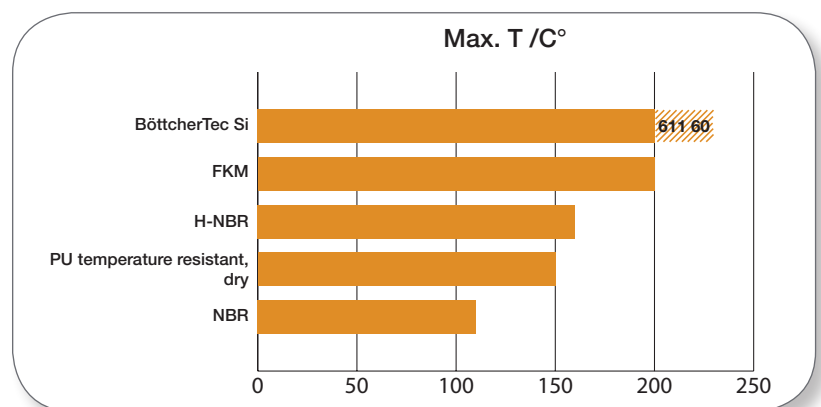
Compared with most of standard silicones they are characterized by higher mechanical stability whereby we can achieve a longer lifetime, even in strongly loaded positions.

Overviewt Si-series

Compund	Hardness ShA	Colour	max T /°C
611 60	60	red	230
612 70	70	red	200
613 80	80	red	200
614 90	90	red	200

The coverings are resistant up to 200 - 230°C.

Apart from the good temperature resistance and very good mechanical resistance *BöttcherTec* Si series shows anti-adhesive properties. Therefore the adhesion or building up of most of contact media, also the more sticky ones, can be reduced and makes cleaning of the roller surface much easier.



The combination of the properties makes our *BöttcherTec* Si compounds suitable for a lot of industrial applications. They are used successfully in steel, aluminum, wood and plastics industry.

### Examples for Application:

- Deflection roller behind annealing ovens in steel and aluminum industry
  - Dosing roller in Hotmelt application in wood and plastic processing industry
  - Drawing roller in flat-film extrusion processes
  - Corona rollers in foil pretreatment
  - Impression roller against Gelling Cylinder in PVC floorings
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- Profiling according to drawings or measuring a sample roller
  - Our customer service specialists will be happy to assist you

### Recommended cleaning agents

	Böttcherin 60	Böttcherin Twister	Böttcherin Gelb	Böttcherin Grün	Böttcherin AR	Böttcherin Turbo	Böttcherin Offset UV	Feboclean UV
BöttcherTec Si								

	Good resistance, unrestricted suitability
	Moderate resistance, suitable with restrictions, manual cleaning and short contact periods recommended
	Poor resistance, not recommended for use

Cleaning agent recommendations are based on compound resistance to washes. Compatibility was tested in Böttcher laboratories. Cleaning performance must be tested with contact media in each individual case. Industry-specific general and safety regulations must be observed. Please refer as well to the product safety data sheets. Our customer service specialists will be happy to assist you.