

SILICONE POLYESTER RESIN

New silicone polyester resin with added properties in economic balance

SILIKOFTAL® HTL 1



High Performance Despite Low Silicone Content

The new silicone polyester resin SILIKOFTAL® HTL 1 with a silicone content of just 10%, provides reliable and long-lasting protection for cookware such as pots and pans.

Beside the resistance to extreme heat, the binder offers also a range of further benefits. For instance, excellent adhesion to various metals such as stainless steel, aluminum, magnesia and copper.

SILIKOFTAL® HTL 1 – At a Glance



Ready for the Future

- No HAPs solvents used
- Free of heavy metals
- Suitable for food contact application



Heat Stability

- Excellent heat stability for decorative coatings
- Low thermoplasticity
- Low yellowing after thermal exposure



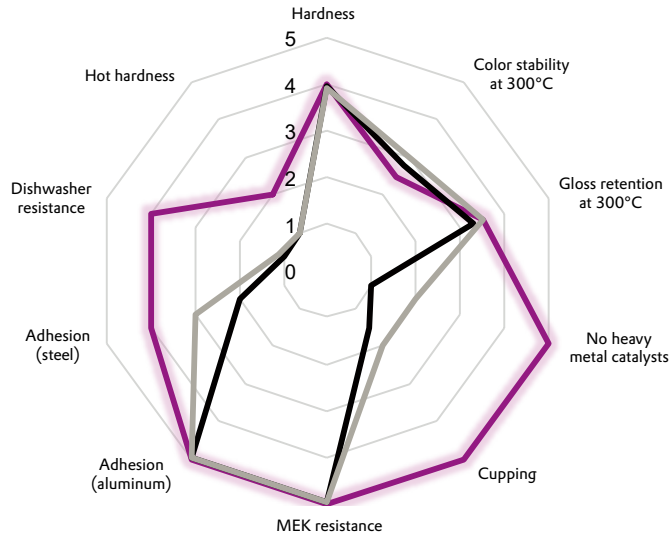
Performance

- Good gloss retention
- Excellent adhesion on aluminum and steel
- Excellent alkaline detergent resistance



[Click here for more information!](#)

SILIKOFTAL® HTL 1 compared to common market systems



LEGEND

0 – poor
5 – good

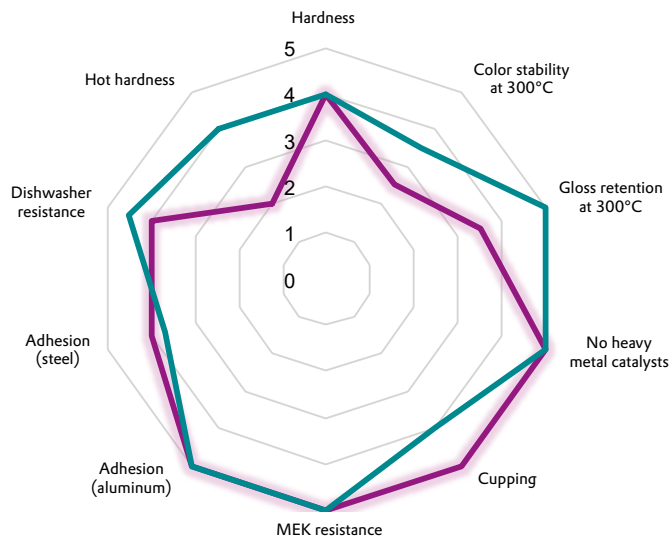
FORMULATION



curing conditions:
30' room temperature
15' 250°C

- SILIKOFTAL® HTL 1 (10% silicon content)
- Competitor 1 (10% silicon content)
- Competitor 2 (15% silicon content)

SILIKOFTAL® HTL 1 compared to SILIKOFTAL® HTL 3/MPA



LEGEND

0 – poor
5 – good

FORMULATION



curing conditions:
30' room temperature,
15' 250°C

- SILIKOFTAL® HTL 1 (10% silicon content)
- SILIKOFTAL® HTL 3/MPA (30% silicon content)

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