SILICONE RESINS

SILIKOPHEN® AC 1000

Low viscous methoxy-functional silicone resin

Ambient Curing Silicone Resin for High Heat Application

- Ambient curing high-temperature applications of large industrial objects
- It is a very economic grade that is suitable for pipelines or industrial plants as well as for fireplaces in the private sector
- Thermostable corrosion protection
- Superb resistance against yellowing at permanent heat stress

SILIKOPHEN® AC 1000 – At a Glance

Ready for the Future

- High solids formulations (low viscosity)
- Cures at ambient temperatures
- Low smoke and odor development

Performance

- Outstanding long-term heat stability up to 650 °C
- Superb yellowing resistance
- Excellent corrosion protection

Technical Application

- Easy to formulate
- Perfect for use in spray application
- Fast chemical resistance after ambient curing

Click here for more information!

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Early Solvent Resistance

Curing condition:

- Conventional silicone resin: 250 °C x 30 mins
- SILIKOPHEN® AC 1000: 2 days at ambient temperature

SILICONE RESIN PORTFOLIO

	SILIKOPHEN® AC 1000	SILIKOPHEN® AC 900	SILIKOPHEN® P50/X	SILIKOPHEN® P80/X
Type of silicone resin	Methyl silicone	Phenyl-methyl silicone	Phenyl-methyl silicone	Phenyl-methyl silicone
Viscosity (mPas)	~ 10	~ 130	~ 40	~ 3000
Solvent content	< 1 %	10 % xylene	50 % xylene, butanole	20 % xylene, butanole
Benzene emission	no	yes	yes	yes
Pigment wetting	●	●●	●●●	●●●
Flexibility during heating	●	●●	●●●	●●●
Adhesion on metal substrate (not blasted)	●	●●●	●●●	●●●
Dry to touch	●●●	●●●	●●	●
Ambient curing	●●●	●●●	●	●
Temperature resistance up to 650 °C	●●●	●●●	●●●	●●●
Fuel resistance (after ambient curing)	●●●	●●	●	●

●●● highly recommended ● not suitable

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