



## RAVENOL Kältemaschinenöl S 100

RAVENOL Kältemaschinenöl S100 is premium quality synthetic refrigeration compressor lubricant. Based on alkyl benzenes, which due to their nature, have superior miscibility with hydrochlorofluorocarbon (R22), as well as chlorofluorocarbon refrigerants (R502 and R12: possibly used on some old refrigerating plants).

RAVENOL Kältemaschinenöl S100 is used in very low temperature applications, down to -60°C.

Relative to mineral and other synthetic lubricants, RAVENOL Kältemaschinenöl S100 has superior solubility with halocarbon refrigerants.

### Application Notes

RAVENOL Kältemaschinenöl S100 is recommended for all refrigeration compressor types, reciprocating or rotary screw types. RAVENOL Kältemaschinenöl S100 is well suited for use with fluorocarbon refrigerants. It should not be used with sulphur dioxide or R134A refrigerants.

### Quality Classifications

#### **Specifications**

Kältemittel auf Basis von Fluorkohlenwasserstoffen

#### **Characteristic**

RAVENOL Kältemaschinenöl S 100 offers:

- Miscibility with halocarbon refrigerants
- Low pour and floc point
- Chemical stability
- Increased system efficiency
- Avoids wax precipitation and increased system efficiency
- Long oil service life

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	897	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	100,0	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	8,0	DIN 51 562
Flash point (COC)	°C	186	DIN ISO 2592
Pourpoint	°C	-27	DIN ISO 3016
flock point (R12)	°C	-60	-
Neutralization number	mgKOH/g	0,05	ASTM D974
copper corrosion 3h, bei 100°C		1	ASTM D130
Water content	Gew.-%	<30	ASTM D1533

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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