

KRAMP ANTIFREEZE K11

Blue colored hybrid-coolant free of nitrite, amine and phosphate
Concentrate

Description

KRAMP ANTIFREEZE K11 is a blue colored coolant on monoethylene glycol basis for cooling circuits of internal combustion engines. The product is free of nitrite, amines and phosphate. Special additives prevent foaming of the cooling liquid and provide reliable corrosion protection for all metals used in cooling systems, including aluminum.

Application

KRAMP ANTIFREEZE K11 should be mixed with water before filling into the cooler circuit in a concentration of 30 to 50 % vol. Observe the instructions of the vehicle manufacturer. For the preparation of the anti-freeze solution, use only clean water that is not too hard. The analytical values of the water must not exceed the following limit values:

Water hardness: 0-20° dH (0-3.6 mmol/l)

Chloride concentration: max. 100 ppm

Sulphate concentration: max. 100 ppm

Product data

Properties	Unit	Value*
Density 20 °C	g/cm ³	1,124
Boiling point	°C	163

* are average values and may vary in the framework of the standard.

Performance

AS 2108-2004

ASTM D3306

MB 325.0

JIS K 2234

PN-C-40007

ASTM D1384

ASTM D4340

SAE J 1034

AFNOR NF R15-601

GME L 1301

ASTM D2809

VW TL 774 Typ C (K 11)

MAN 324 NF

ÖNORM V 5123

BS 6580

Mixing table

Anti-freeze agent	Water	Frost protection to
1	2	Min. -18°C
2	3	Min. -25°C
1	1	Max. -37°C