



GLACIER G480

SILICATE TYPE HYBRID TECHNOLOGY

PRODUCT DESCRIPTION:

GLACIER G480 is a high-performance antifreeze coolant concentrate formulated with mono ethylene glycol. Free from nitrites, amines, and phosphates, it combines inorganic and organic corrosion inhibitors, categorizing it as a hybrid coolant. GLACIER G480 provides robust protection for modern passenger car and commercial vehicle engines against cavitation, freezing, rust, and overheating. Its advanced corrosion inhibitors safeguard all cooling system metals from deposits and corrosion. Complying with VW coolant specification VW TL 774-C (G11), it ensures a service life of up to 7 years or 450,000 km.

APPLICATION:

GLACIER G480 must be diluted with water before filling into cooling system. We recommend distilled water for this. Depending on water hardness and quality (hardness not greater than 3.6 mmol/l), dilution with tap water is also possible. GLACIER G400 should be blended with water in a concentration amongst 33% to 60% by volume prior to infilling. The usage of a 50/50 ratio for the mixture of water and GLACIER G4800 is generally advisable.

Analysis values of the water may not exceed the following threshold values:

Water hardness: 0 – 3.6 mmol/l
Chloride content: max. 100 ppm
Sulfate content: max. 100 ppm

FEATURES & BENEFITS:

- Outstanding corrosion protection
- Contains no amines, nitrites or phosphates
- Universal application at passenger cars and commercial vehicles as well if a silicate based coolant is required.
- Anti-cavitation, preventing foam and the retention of air, ensuring the good performance of the pump.
- Prevents the build-up of deposits, keeping the cooling system clean.
- Long life service product

GLACIER G400 FULFILLS THE FOLLOWING COOLANT STANDARDS:

- AS 2108-2004
- ASTM D 3306
- ASTM D 4985
- BS6580:2010
- CUNA NC 956-16
- AFNOR NFR 15-601
- JIS K 2234:2206
- PN-C 40007:2000
- SAE J1034
- ÖNORM V 5123
- SANS 1251:2005
- China GB 29743-2013

PERFORMANCE MEET OR EXCEEDS:

- Audi TL 774-C
- BMW GS 94000
- Deutz TR-0199-99-1115
- Deutz DQC CA-14
- MAN 324 NF
- MB 325.0 • MB 325.2
- MB-326.0 (Ready Mix)
- MTU MTL 5048
- Opel B 040 0240
- Seat TL 774-C
- Skoda TL 774-C
- VW TL 774-C
- Volvo Trucks TR 1286083
- Voith Turbo 172.00225010

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	GLACIER G480	
			GLACIER G480 Concentrate	GLACIER G480 (50% Ready Mix)
pH	D1278	cSt	8.1	8
Freezing Point	D1177	°C	N/A	-37
Boiling Point	D1120	cSt	170	108
Density at 15.5C	D4052	g/cm3	TBR	TBR

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internal.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.