PRODUCT CERTIFICATE

DURAN LUBRICANTS & CHEMICALS GmbH

ASTRON Antifreeze A 12 EVO

Universal coolant

Properties

ASTRON Antifreeze A 12 EVO is a radiator protection based on ethylene glycol, which offers excellent corrosion and cavitation protection for the longest possible coolant life thanks to an optimal combination of very stable inhibitors based on Si-OAT technology. Other additives prevent the coolant from foaming and prevent deposits. **ASTRON Antifreeze A 12 EVO** offers year-round, maintenance-free frost and corrosion protection over the entire service life of the engine. **ASTRON Antifreeze A 12 EVO** is free from nitrites, amines, borates and 2-ehylhexanoic acid. The coolant has no negative effect on coolant hoses or cylinder head gaskets.

Application notes

ASTRON Antifreeze A 12 EVO mixed with the corresponding quantity water (distilled water) is used as a coolant and heat transfer fluid in modern combustion engines, whether engines made of cast iron, aluminium or a combination of both metals and in cooling systems made of aluminium or copper alloys. **ASTRON Antifreeze A 12 EVO** is especially recommended for high-performance engines. An application concentration of 50 vol.% is recommended all year round. **ASTRON Antifreeze A 12 EVO** can be mixed with most ethylene glycolbased coolants.

Caution: Observe manufacturer‘s instructions.

Parts ASTRON Antifreeze A 12 EVO	Water parts	Anti-frost up to:
1	2	-18°C
1	1,5	-24°C
1	1	-36°C

Specifications:

- AS 2108-2004
- AFNOR NFR 15-601
- ASTM D 3306, ASTM D 4985
- ASTM D 6210
- BS 6580:2010
- CUNA NC 956-16
- JIS K 2234:2006
- SAE J 1034
- ÖNORM V 5123
- SANS 1251:2005
- China GB 29743-2013

Recommendation*:

- Volkswagen TL 774-L (G12evo)
- Audi from 1996 (G12evo, G13, G12++, G12+, G11)
- Bugatti ab 1998
- Lamborghini ab 1998
- Porsche ab 1996
- Seat ab 1996
- Skoda ab 1996
- BMW ab 1988 (LC-87), Mini und Rolls Royce
- BMW LC-18
- Deutz DQC CC-14
- Ford WSS-M97B44-D, Ford WSS-M97B57-A1
- John Deere (>2011)
- Liebherr (Minimum LH-01-COL3A)
- MAN 324 Typ Si-OAT
- MAN 324 Typ Si-OAT evo
- Mercedes-Benz Cars (MB 325.0 / MB 325.6)
- Mercedes-Benz Truck und Bus (MB 325.0 / MB 325.5)
- MTU MTL 5048
- Perkins
- Steyr Motors
- Volvo Cars (TR-31854114-002), Volvo Trucks (TR 1286083)

TYPICAL PARAMETERS	METHODS	UNITS	ASTRON Antifreeze A 12 EVO
Density ati 20°C	ASTM D 4052	g/cm³	1,132
Reserve alkalinity (pH 5,5)	ASTM D 1121	ml 0,1 n HCl	11
Boiling Point	ASTM D 1120	°C	172
pH value	ASTM D 1287	-	7,9
Flash point	DIN EN ISO 2719	°C	111
Antifreeze at 50 Vol.%	ASTM D 1177	°C	- 36
Colour	-	-	violet

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.

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ASTRON® Power in every molecule

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Health, Safety and Environment – information is provided for products in the relevant Safety Data Sheet.

MADE IN GERMANY