

PRODUCT INFORMATION



Automotive Chemicals – Coolant Antifreeze

Valvoline™ OEM Advanced 40 Antifreeze Coolant

OEM Approved Premium Specification Si-Organic Acid (Si-OAT) Technology Antifreeze Coolant for car and Heavy-Duty applications.

Valvoline OEM Advanced 40 Antifreeze Coolant is a premium grade hybrid carboxylate formulation which provides an extended service life. It incorporates state-of-the-art organic acid technology in an ethylene glycol base for protection of all cooling system metals, including aluminum, from corrosion. Valvoline OEM Advanced 40 contains no phosphates, imidazole, borates, nitrates, amines, or nitrites.

Valvoline OEM Advanced 40 Antifreeze Coolant RTU version is 50% diluted with -36°C freezing point.

When diluted 50% with demineralized water, Valvoline OEM Advanced 40 protects modern engine components from winter freezing and summer boiling. The chart below provides detailed mixing information.

OEM Approvals
Cummins CES 14603, CES 14439
DTFR 29C120 (MB 325.5)
DTFR 29D120 (MB 326.5)
DCC Detroit Diesel DSF93K217ELC
Deutz DQC CC-14
Liebherr Approval Minimum LH-01-COL3A
MAN 324 Type Si-OAT
MB 326.6
MTU MTL 5048
SCANIA TB1451-7
TL 774-G (G12++) - VW / Audi / Seat / Skoda / Lamborghini / Bentley / Bugatti

Performance levels
ASTM D3306 / D4985 / D6210
Federal Specification A-A-870°
Irizar (from 2016)
JIS K2234-2018
MB Trucks (from October 2011)
Navistar MPAPS B1 IIIA
Porsche From MY 2010
SAE J814
Smart MB 325.6
VW TL 774-J

Features and Benefits

Premium Formula for Superior Performance

Valvoline OEM Advanced 40 is a premium grade coolant that provides outstanding protection to vital engine parts such as coolant channels in engine block, cylinder heads (liner pitting), radiator and water pump against corrosion, overheating and freezing. It contains a high quality defoamer and will not harm gaskets, hoses, plastics or original vehicle paint.

Long-Life Protection:

- up to 5 years / 250.000 km for passenger cars
- up to 3 years / 500.000 km for heavy duty applications

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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline Global Operations is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants, transmission fluids, gear oils, hydraulic lubricants, automotive chemicals, specialty products, greases, and cooling system products.

For more information on Valvoline products, programs and services please visit <https://www.valvolineglobal.com/en-eur/> or <http://pisheets.valvolineglobal.com>

Health & Safety

For more information about environment requirements, product safe handling, storage, and disposal, please refer to the product Safety Data Sheet (SDS) available at <http://sds.valvolineglobal.com>

Typical properties

Valvoline OEM Advanced 40 Properties	
Appearance	Liquid
Colour	Pink/ Violet
Boiling point* , °C ASTM D1120	107
Boiling point** , °C ASTM D1120	162
Flash point** , °C DIN ISO 2592	121
Density** @ 15.6°C, g/cm ³ ASTM D1298	1.122 – 1.135
pH value* ASTM D1287	8.0 – 9.0
Storage stability	Up to 5 years

* 50% V/V Ready to use

** Concentrate

The data provided is for reference only and can be applied only for the specific production location.

Freezing Temperature

Valvoline OEM Advanced 40 Mixing Table	
Concentrate mixed with demineralized water	Freezing Point °C
40% concentrate	-24
50% concentrate	-36
60% concentrate	-48
70% concentrate*	-67

*Maximum freeze protection is at 70%

This information only applies to products manufactured in the following location(s): Europe

Effective date: 1/15/2026