

G-ENERGY ANTIFREEZE P-OAT 40 GREEN

Ready-to-use liquid coolant based on ethylene glycol and low-hybrid type corrosion inhibitors (based on phosphated salts of organic acids (P-OAT)). Intended for use in internal combustion engines. Protects against corrosion and deposit formation, provides extended change interval.

Application:

- Light motor and load-carrying vehicles.
- Stationary engines.
- Heavy-duty engines.

Advantages:

- Contains a package of corrosion inhibitors based on phosphated salts of organic acids (P-OAT).
- Contains no nitrites, amines, silicates and borates.
- Provides engine protection against corrosion, overheating and freezing.
- Effectively protects all important parts of the vehicle cooling system from corrosion and deposit formation: cooling channels in blocks and cylinder heads, radiator, water pump and heat exchanger.

Typical physical and chemical properties

Parameters	Method	G-Energy Antifreeze P-OAT 40 Green
Appearance	Visually	Transparent homogeneous blue-green liquid without visible foreign inclusions
Density at 20 °C, g/cm ³	ASTM D1122	1.071
Refractive index at 20 °C	GOST 18995.2	1.385
Boiling point, °C	ASTM D1120	113
pH	ASTM D1287	7.9
Alkalinity reserve, ml	ASTM D1121	8.9
Chilling point, °C	ASTM D1177	-37
Foamability	ASTM D1881	max 50 ml / 3 s

Specifications:

- Nissan, Mitsubishi, Honda, Mazda, Hyundai, Kia

Standards:

- ASTM D3306, ASTM D4985, ASTM D6210, BS 6580, Japanese Standard (JIS) K2234, Korean Standard (KSM) 2142, Hyundai-Kia MS 591-08

Corrosion in Glassware Test, ASTM D1384

	Brass	Copper	Solder	Steel	Cast iron	Aluminum
	Weight loss ¹ , mg/plate					
ASTM D3306 standard (max)	10	10	30	10	10	30
G-Energy Antifreeze P-OAT 40 Green	0	1.0	1.0	1.0	1.0	2.0

1 - negative values indicate weight gain

Hot Surface Corrosion Test, ASTM D4340

	Weight loss ¹ , mg/cm ² /week	ASTM D3306 standard
Aluminum	-0.1	max 1.0

2 - test results on the concentrate of G-Energy Antifreeze P-OAT 40 using aggressively corrosive water

Dynamic Corrosion Test, JIS K2234-2018

	Brass	Copper	Solder	Steel	Cast iron	Aluminum
	Weight loss ¹ , mg/cm					
ASTM D3306 standard (max)	±0.3	±0.3	±0.6	±0.3	±0.3	±0.6
G-Energy Antifreeze P-OAT 40 Green	0.04	0.02	0.16	-0.09	-0.11	-0.04

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

