

G-ENERGY ANTIFREEZE 40, 65

Ready-to-use liquid coolants of a carboxylate type based on ethylene glycol, intended for cooling systems of internal combustion engines.

- G-Energy Antifreeze 40 is a solution of concentrate and water in a ratio of 50/50 by volume.
- G-Energy Antifreeze 65 is a solution of concentrate and water in a ratio of 60/40 by volume.

Application:

- Cooling systems of gasoline and diesel internal combustion engines.

Advantages:

- Contains a package of corrosion inhibitors using carboxylate technology.
- Contains no silicates, nitrites, amines, phosphates and borates.
- Provides anti-corrosion protection for all metals and alloys used in internal combustion engines.
- Effectively protects the engine, radiator, water pump and heat exchanger from overheating, defrosting, deposit formations and clogging.

Typical physical and chemical properties

Parameters	Method	G-Energy Antifreeze 40	G-Energy Antifreeze 65
Appearance	Visually	Transparent homogeneous green liquid without visible foreign inclusions	Transparent homogeneous green liquid without visible foreign inclusions
Density at 20 °C, g/cm ³	ASTM D1122	1.068	1.085
Refractive index at 20 °C	GOST 18995.2	1.385	1.400
Boiling point, °C	ASTM D1120	108	> 108
pH	ASTM D1287	8.4	8.2
Alkalinity reserve, ml	ASTM D1121	4.2	4.2
Chilling point, °C, not exceeding	ASTM D1177	-37	-65
Foamability	ASTM D1881	max 50 ml / 5 s	max 50 ml / 5 s

Specifications:

- Avtozavod GAZ, LLC; AVTOVAZ, PJSC; Avtodizel (YAMZ), PJSC; KAMAZ, PJSC; UAZ

Standards:

- ASTM D3306; ASTM D4340; BS 6580:2010; GOST 33591

Corrosion in Glassware Test, ASTM D1384/BS 6580

	Brass	Copper	Solder	Steel	Cast iron	Aluminum
	Weight loss ¹ , mg/plate					
ASTM D3306 & BS 6580 standards (max)	10	10	30	10	10	30
G-Energy Antifreeze 40	-1.8	-1.7	3.2	-1.1	-1.2	2.0

1 - negative values indicate weight gain

Hot Surface Corrosion Test, ASTM D4340

	Weight loss, mg/cm ² /week	ASTM D3306 standard
Aluminum	0.25	max 1.0

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

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

ISO 9001



ISO 14001



ISO 45001

