



Master ECO-10PRO™

PRODUCT SPECIFICATION Technical Data Sheet

01.2024

Trade name: Master ECO-10PRO™ Coolant for heating systems

Product properties:

Product type: Ready to use

Freezing point: -10°C

Main substance content: propylene glycol not less than 25% by weight

Inhibitor: yes, ASTM D3306 standard

Boiling Point: (°C): 101,5°C

Density at 20°C: 1.019 g/cm³

pH: 8.0 - 10.5

Electrical Conductivity (micromho/cm): >2,00

Recommended storage temperature minimum: 0 C **maximum:** 30 C

Country of origin: Estonia

Service life: at least 7 years and depends on operating rules

Shelf life: 36 months.

Packaging: 5 lit, 25 lit, 200 lit, 1000 lit

Article: ECO-10PRO57-55-6

EXP date: 01.2031

High-quality coolant based on propylene glycol, with the addition of innovative, depletion-resistant corrosion inhibitors. Master ECO-10PRO™ is non-toxic and completely environmentally friendly; it can be used in heating systems of both public and residential buildings. Suitable for use in the food and pharmaceutical industries.

Our product is non-aggressive to plastic, textiles, rubber, and other materials.

The prepared propylene glycol solution is completely fireproof and its use eliminates the possibility of explosion.

Master ECO-10PRO™ Thermophysical properties of 25% aqueous solution of propylene glycol, crystallization temperature minus - 10°C

Solution temperature, t°C	Density, kg/m ³	Heat capacity, Average, kJ/(kg*K)	Thermal conductivity, W/(m*K)	Dynamic viscosity, *10 ⁻³ [N*s/m ²]	Kinematic viscosity, *10 ⁻⁶ [(m ² /s)]
-10°C	1028	3.92	0.465	10,231	9.81
0°C	1025	3.95	0.470	6,180	6.02
20°C	1019	3.98	0.478	2,860	2.81
40°C	1011	4.00	0.491	1.421	1.40
60°C	998	4.03	0.505	0.903	0.90
80°C	981	4.05	0.519	0.671	0.68
100°C	969	4.08	0.533	0.509	0.52

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