

Master ECO-20PRO™

PRODUCT SPECIFICATION Technical Data Sheet

01.2024

Trade name: Master ECO-20PRO™ Coolant for heating systems

Product properties:

Product type: Ready to use

Freezing point: -20°C

Main substance content: propylene glycol not less than 37% by weight

Inhibitor: yes, ASTM D3306 standard

Boiling Point: (°C): 103°C

Density at 20°C: 1.032 g/cm³

pH of Solution: 9.5 – 10.5

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-20PRO57-55-6

EXP date: 01.2031

High-quality coolant based on propylene glycol, with the addition of innovative, depletion-resistant corrosion inhibitors.

Master ECO-20PRO™ 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-20PRO™ Thermophysical properties of 37% aqueous solution of propylene glycol, crystallization temperature minus - 20°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)]
-20°C	1051	3.68	0.420	47.25	45.10
0°C	1045	3.72	0.425	12.54	12.12
20°C	1036	3.77	0.429	4.562	4.41
40°C	1025	3.82	0.433	2.261	2.23
60°C	1012	3.88	0.437	1.32	1.30
80°C	997	3.93	0.441	0.897	0.91
100°C	982	4.00	0.445	0.687	0.71