

## Master ECO-30PRO<sup>TM</sup>

## PRODUCT SPECIFICATION Technical Data Sheet

01.2024

Trade name: Master ECO-30PRO<sup>TM</sup> Coolant for heating systems

**Product properties:** 

Product type: Ready to use Freezing point: -30°C

Main substance content: propylene glycol not less than 45% by weight

Inhibitor: yes, ASTM D3306 standard

Boiling Point: (°C): 105°C Density at 20°C: 1.042 g/cm3

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-30PRO57-55-6

**EXP date: 01.2031** 

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

Master ECO-30PRO™ 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-30PRO™ Thermophysical properties of 45% aqueous solution of propylene glycol, crystallization temperature minus - 30°C

Solution temperature, t°	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]
-30°C	1066	3.45	0.397	160.2	150
-20°C	1062	3.49	0.396	74.3	70
-10°C	1058	3.52	0.395	31.74	30
0°C	1054	3.56	0.395	18.97	18
20°C	1042	3.62	0.394	6,264	6
40°C	1033	3.69	0.393	2,978	2.9
60°C	1015	3.76	0.391	1.624	1.6
80°C	999	3.82	0.391	1.10	1.1
100°C	984	3.89	0.390	0.807	0.82

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