

Tyfocor® L Propylene Glycol Based Solar Fluid

Engineering Specifications (Part Number: 8718660945)

The heat transfer fluid shall be Tyfocor® L, a non-toxic, virtually odorless, hygroscopic liquid based on propylene glycol. It shall possess no hazard to health.

The heat transfer fluid shall contain corrosion inhibitors that reliably protect the metals normally used in solar installations and other heating equipment against corrosion, ageing and deposits over long periods. It shall prevent the surfaces of heat exchangers from becoming fouled, and ensures consistently high thermal efficiency.

The heat transfer fluid shall be miscible with water in all proportions. Its mixtures with water shall protect against frost at temperatures of down to -50 °C (-58 °F), depending on their concentration.

The physical properties of the heat transfer fluid shall meet the following table and diagram.

Tyfocor® L / Water Mixture Values			
Tyfocor® L Concentrate [Vol %]	Density (20°C) [g/cm³ (lb/ft³)]	Refractive Index (20°C)	Frost Protection [°C (°F)]
25	1.023 (63.86)	1.3627	-10 (14.0)
30	1.029 (64.24)	1.3690	-14 (6.8)
35	1.033 (64.49)	1.3747	-17 (1.4)
40	1.037 (64.74)	1.3801	-21 (-5.8)
45	1.042 (65.05)	1.3855	-26 (-14.8)
50	1.045 (65.24)	1.3910	-32 (-25.6)
55	1.048 (65.42)	1.3966	-40 (-40.0)

Note: Above table displays typical values which are not to be regarded as specifications. Bosch does not guarantee results from use of this data, nor gives any warranty, express or implied. For additional safety information, please refer to MSDS.

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Density of Tyfocor® L

