

CHILL ETHYLENE GLYCOL

This is a heat transfer fluid with an organic acid technology that provides outstanding corrosion protection for copper, brass, solder, steel, cast iron and aluminum. A buffering system neutralizes acids formed by the normal thermal and oxidative degeneration of glycols which helps keep the pH in optimum range. It contains tolyltriazole to protect copper, brass and solder from attack and oxygen scavengers for further protection.

SPECIFIC GRAVITY, 15°C/60°F	1.056 MIN
ETHYLENE GLYCOL, VOLUME %	96
FLASH POINT, °C/°F	116/240
COLOUR	CLEAR

MIXING TABLE

VOL. % ETHYLENE GLYCOL	VOL. % FINISHED PRODUCT	FREEZE POINT, °C/°F	BOILING POINT, °C/°F
15	15.6	-5/23.6	102/215
30	31.2	-16/3.7	104/220
40	41.6	-19/-2.7	106/223
50	52.1	-37/-34.6	108/226

In order to continue to provide superior quality, BOSS LUBRICANTS reserves the right to change composition of it's products without notice. For the location of the Distributor nearest you, please call 1-800-844-9457. BOSS LUBRICANTS #112, 6303 30th Street S.E. Calgary, AB T2C 1R4



CHILL ETHYLENE GLYCOL

MIXING TABLE

60	62.5	-51/-60	109/228
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PERFORMANCE SPECIFICATIONS

PHYSICAL PROPERTY	TEMP °C/°F SOLUTION	15% GLYCOL SOLUTION	30% GLYCOL SOLUTION	40% GLYCOL SOLUTION	50% GLYCOL SOLUTION	60% GLYCOL SOLUTION
THERMAL CONDUCTIVITY [BTU/(HR-FT3)(°F/FT)]	5/40	0.265	0.253	0.234	0.215	0.199
THERMAL CONDUCTIVITY [BTU/(HR-FT3)(°F/FT)]	82/180	0.307	0.291	0.267	0.241	0.22
THERMAL CONDUCTIVITY [BTU/(HR-FT3)(°F/FT)]	121/250	0.31	0.293	0.269	0.245	0.224
SPECIFIC HEAT [BTU/LB-°F]	5/40	0.885	0.862	0.82	0.774	0.724
SPECIFIC HEAT [BTU/LB-°F]	82/180	0.933	0.915	0.883	0.849	0.816
SPECIFIC HEAT [BTU/LB-°F]	121/250	0.958	0.944	0.913	0.882	0.845

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PERFORMANCE SPECIFICATIONS

VISCOSITY, CENTIPOISE	5/40	3.11	3.59	4.94	6.81	9.93
VISCOSITY, CENTIPOISE	82/180	0.59	0.66	1.82	0.96	1.09
VISCOSITY, CENTIPOISE	121/250	0.37	0.4	0.47	0.55	0.59
DENSITY, (LB/FT3)	5/40	65.19	65.71	66.61	67.5	68.33
DENSITY, (LB/FT3)	82/180	62.9	63.31	64.1	64.83	65.55
DENSITY, (LB/FT3)	121/250	61.05	61.42	62.15	62.81	63.44

APPLICATIONS RECOMMENDED FOR USE IN:

- HVAC SYSTEMS
- SOLAR HEATING
- COLD ROOM DEHUMIDIFY
- SIDEWALK SNOW MELTING SYSTEMS
- PROCESS COOLING/HEATING
- REFRIGERATION WAREHOUSE FLOOR HEATING
- ICE SKATING RINKS

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