



SPECIFIC GRAVITY CONVERSION CHARTS

ETHYLENE GLYCOL & PROPYLENE GLYCOL

The Conversion Charts below are to be used with the PPE Precision Specific Gravity Hydrometer and Beaker. After placing a sample of the glycol in the beaker, check the reading on the hydrometer and match it to the appropriate chart to accurately determine the Glycol to water weight percentage.

ETHYLENE GLYCOL THE ORIGINAL

PROPYLENE GLYCOL THE SAFER ALTERNATIVE

ETHYLENE GLYCOL		
WEIGHT %	VOLUME %	HYDROMETER READING SPECIFIC GRAVITY @ 70°F
0%	0.0%	1.0000
5%	4.5%	1.0057
10%	9.1%	1.0113
15%	13.7%	1.0170
20%	18.3%	1.0226
25%	23.0%	1.0283
30%	27.8%	1.0339
35%	32.6%	1.0396
40%	37.5%	1.0452
45%	42.4%	1.0509
50%	47.3%	1.0565
55%	52.3%	1.0622
60%	57.4%	1.0678
65%	62.5%	1.0735
70%	67.7%	1.0791
75%	72.9%	1.0848
80%	78.2%	1.0904
85%	83.6%	1.0961
90%	89.0%	1.1017
95%	94.5%	1.1074
100%	100.0%	1.1130

PROPYLENE GLYCOL		
WEIGHT %	VOLUME %	HYDROMETER READING SPECIFIC GRAVITY @ 70°F
0%	0.0%	1.0000
5%	4.8%	1.0059
10%	9.7%	1.0079
15%	14.5%	1.0150
20%	19.4%	1.0171
25%	24.3%	1.0200
30%	29.2%	1.0239
35%	34.2%	1.0285
40%	39.1%	1.0330
45%	44.1%	1.0355
50%	49.1%	1.0366
55%	54.1%	1.0373
60%	59.1%	1.0387
65%	64.2%	1.0415
70%	69.2%	1.0432
75%	74.3%	1.0435
80%	79.4%	1.0438
85%	84.5%	1.0429
90%	89.7%	1.0414
95%	94.8%	1.0394
100%	100.0%	1.0373

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