

**PARKER BOILER CO.**  
**TABLE 2**  
**SPECIFIC HEATS AND DENSITIES**

G.E. TABLE 2  
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<u>MATERIAL</u>	<u>SPECIFIC HEAT</u>	<u>DENSITY - LBS./CU. FT.</u>
ACETIC ACID, 100%	.49	66.0
ACETONE, 100%	.51	49.3
AIR	.24	.08
ALCOHOL	.65	51.2
ALUMINUM	.24	165.0
AMMONIA, 100%	1.10	48.0
ASPHALT	.40	81.0
BRICKWORK	.20	124.8
BRINE, CALCIUM CHLORIDE, 25%	.65	77.4
BUTANE	.45	.16
CARBON DIOXIDE	.21	.11
CARBON TETRACHLORIDE	.20	99.5
CHLORINE	.12	.20
CHOCOLATE MIXTURE	.39	72.0
CLAY, DRY	.22	137.0 AVG.
COAL	.37	90.0 AVG.
COKE	.26	75.0
COPPER	.10	556.0
CONCRETE	.25	150.0 AVG.
COTTON CLOTH	.32	93.0
COTTONSEED OIL	.47	59.3
ETHANE	.50	.08
ETHER	.50	46.0
ETHYLENE GLYCOL	.58	69.2
FUEL OIL, NO. 1 (KEROSENE)	.47	50.5
FUEL OIL, NO. 6 (BUNKER C)	.40	59.3
GASOLINE	.53	37.5
GLASS, PYREX	.20	140.0
GLUE (2 PARTS WATER, 1 PART DRY GLUE)	.90	69.0
GLYCERINE, 100% (GLYCEROL)	.58	78.0
HEAT TRANSFER LIQUID (LOW PRESS., HIGH TEMP.)	.63	62.1
ICE	.50	56.0
LEAD	.03	710.0
LINSEED OIL	.44	58.0
MACHINE OIL	.40	58.0
NICKEL	.11	537.0
NITRIC ACID, 95%	.44	93.6
NITRIC ACID, 10%	.90	65.0
NITROGEN	.25	.07
OLIVE OIL	.47	58.0
OXYGEN	.22	.08
PAPER	.45	58.0
PARAFFIN, SOLID	.62	57.0
PARAFFIN, MELTED	.70	55.5
PHENOL (CARBOLIC ACID)	.56	66.7
RUBBER, VULCANIZED	.42	69.0
SEA WATER	.94	64.3
SODIUM HYDROXIDE, 50% (CAUSTIC SODA)	.78	95.5
STEEL	.12	487.0
SOIL	.25	100.0
SUGAR SOLUTION, CANE OR BEET	.30	103.6
SULFUR	.20	125.0
TRICHLOROETHYLENE	.21	101.1
TURPENTINE, SPIRITS OF	.42	53.6
WATER	1.00	62.4
WOOD	.65	50.0
ZINC	.09	440.0