



PCM Products has a policy of continued product improvement and product data improvement. It reserves the right to change design and specifications without notice.

PlusICE Eutectic (E) Range



| PCM Type | Phase Change Temperature | | Density | | Latent Heat Capacity | | Volumetric Heat Capacity | | Specific Heat Capacity | | Thermal Conductivity | |
|----------|--------------------------|------|----------------------|-----------------------|----------------------|----------|--------------------------|------------------------|------------------------|------------|----------------------|------------------------------|
| | (°C) | (°F) | (kg/m ³) | (lb/ft ³) | (kJ/kg) | (Btu/lb) | (MJ/m ³) | (Btu/ft ³) | (kJ/kgK) | (Btu/lb°F) | (W/mK) | (Btu/Hr ft ² -°F) |
| E0 | 0 | 32 | 1,000 | 62 | 395 | 170 | 395 | 10,602 | 4.19 | 0.99 | 0.58 | 0.34 |
| E-2 | -2 | 28 | 1,070 | 67 | 325 | 140 | 348 | 9,334 | 3.80 | 0.90 | 0.58 | 0.34 |
| E-3 | -4 | 25 | 1,060 | 66 | 330 | 142 | 350 | 9,389 | 3.84 | 0.91 | 0.6 | 0.35 |
| E-6 | -6 | 21 | 1,110 | 69 | 300 | 129 | 333 | 8,938 | 3.83 | 0.91 | 0.56 | 0.32 |
| E-11 | -12 | 11 | 1,090 | 68 | 310 | 133 | 338 | 9,069 | 3.55 | 0.84 | 0.57 | 0.33 |
| E-15 | -15 | 5 | 1,060 | 66 | 320 | 138 | 339 | 9,104 | 3.87 | 0.92 | 0.53 | 0.31 |
| E-19 | -19 | -2 | 1,125 | 70 | 300 | 129 | 338 | 9,059 | 3.29 | 0.78 | 0.58 | 0.34 |
| E-21 | -21 | -5 | 1,240 | 77 | 285 | 123 | 353 | 9,485 | 3.13 | 0.74 | 0.51 | 0.29 |
| E-22 | -22 | -8 | 1,180 | 74 | 305 | 131 | 360 | 9,660 | 3.34 | 0.79 | 0.57 | 0.33 |
| E-26 | -26 | -15 | 1,250 | 78 | 265 | 114 | 331 | 8,891 | 3.67 | 0.87 | 0.58 | 0.34 |
| E-29 | -29 | -20 | 1,420 | 89 | 250 | 108 | 355 | 9,528 | 3.69 | 0.87 | 0.64 | 0.37 |
| E-32 | -32 | -26 | 1,290 | 81 | 225 | 97 | 290 | 7,790 | 2.95 | 0.70 | 0.56 | 0.32 |
| E-34 | -34 | -29 | 1,205 | 75 | 200 | 86 | 241 | 6,468 | 3.05 | 0.72 | 0.54 | 0.31 |
| E-37 | -37 | -34 | 1,500 | 94 | 225 | 97 | 338 | 9,059 | 3.15 | 0.75 | 0.54 | 0.31 |
| E-50 | -50 | -58 | 1,325 | 83 | 175 | 75 | 232 | 6,224 | 3.28 | 0.78 | 0.56 | 0.32 |
| E-65 | -65 | -85 | 1,180 | 74 | 240 | 103 | 283 | 7,601 | 3.28 | 0.78 | 0.56 | 0.32 |