

PlusICE[®] Phase Change Materials



PCM

PHASE CHANGE MATERIAL PRODUCTS LIMITED

PlusICE PCM (EUTECTIC) RANGE

PCM Type	Phase Change Temperature (C)	Phase Change Temperature (F)	Density (kg/m ³)	Density (lb / ft ³)	Heat Capacity (kJ/kg)	Heat Capacity (Btu / lb)	Latent Heat (MJ/m ³)	Latent Heat (Btu / ft ³)	Spec. Heat (kJ/kg K)	Spec. Heat (Btu / lb F)	Thermal Cond. (W/m K)	Thermal Cond. (Btu / ft ² h F)
EUTECTIC PCM SOLUTIONS												
E0	0	32	1,000	62.4	332	143	332	8,911	4.186	0.992	0.580	0.335
E-2	-2.0	28	1,070	66.8	306	132	327	8,777	3.80	0.900	0.580	0.335
E-3	-3.7	25	1,060	66.2	312	134	331	8,884	3.84	0.910	0.600	0.347
E-4	-3.9	25	1,060	66.2	282	121	299	8,025	3.78	0.895	0.580	0.335
E-6	-6.0	21	1,110	69.3	275	118	305	8,186	3.83	0.907	0.560	0.324
E-10	-10.0	14	1,140	71.2	286	123	326	8,750	3.33	0.789	0.560	0.324
E-11	-11.6	11	1,090	68.0	301	129	328	8,804	3.55	0.841	0.570	0.329
E-12	-12.3	10	1,110	69.3	250	108	278	7,462	3.47	0.822	0.560	0.324
E-14	-14.8	5	1,220	76.2	243	105	296	7,945	3.51	0.832	0.530	0.306
E-15	-15.0	5	1,060	66.2	303	130	321	8,616	3.87	0.917	0.530	0.306
E-19	-18.7	-2	1,125	70.2	282	121	344	9,233	3.29	0.779	0.580	0.335
E-21	-20.6	-5	1,240	77.4	263	113	326	8,750	3.13	0.741	0.510	0.295
E-22	-22.0	-8	1,180	73.7	234	101	276	7,408	3.34	0.791	0.570	0.329
E-26	-26.0	-15	1,250	78.0	260	112	325	8,723	3.67	0.869	0.580	0.335
E-29	-29.0	-20	1,420	88.6	222	95	264	7,086	3.69	0.874	0.640	0.370
E-32	-32.0	-26	1,290	80.5	243	105	313	8,401	2.95	0.699	0.560	0.324
E-34	-33.6	-28	1,205	75.2	240	103	286	7,676	3.05	0.723	0.540	0.312
E-37	-36.5	-34	1,500	93.6	213	92	302	8,106	3.15	0.746	0.540	0.312
E-46	-46.0	-51	1,205	75.2	240	103	289	7,762	3.05	0.723	0.540	0.312
E-50	-49.8	-58	1,325	82.7	218	94	283	7,596	3.28	0.777	0.560	0.324
E-60	-60.0	-76	1,280	79.9	172	74	220	5,909	2.90	0.687	0.440	0.254
E-62	-62.0	-80	1,300	81.2	180	77	234	6,281	4.01	0.950	0.580	0.335
E-75	-75.0	-103	902	56.3	102	44	92	2,469	2.43	0.576	0.170	0.098
E-78	-78.0	-108	880	54.9	115	49	101	2,716	1.96	0.464	0.140	0.081
E-90	-90.0	-130	786	49.1	90	39	71	1,906	2.56	0.606	0.140	0.081
E-114	-114.0	-173	782	48.8	107	46	84	2,255	2.39	0.566	0.170	0.098

For additional information contact;

Distributor / Installer Stamp