



FRANKLIN

Composites for Today's Challenges

Physical Properties of Mil-I-24768 Composites

<u>Supplement</u>	<u>Military</u>	<u>NEMA</u>		
<u>No.</u>	<u>Designation</u>	<u>Designation</u>	<u>Specific Heat</u>	<u>Thermal Conductivity</u>
/1	GME	G9	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/2	GEE	G10	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/3	GEB	G11	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/4	GPO N-1	GPO-1	(n/a) not available	(n/a)
/5	GPO N-2	GPO-2	(n/a)	(n/a)
/6	GPO N-3	GPO-3	(n/a)	(n/a)
/7	GTE	GT	(n/a)	(n/a)
/8	GMG	G5	0.26 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/9	NPG	N1	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/10	PBE	XXX	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/11	PBG	XX	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/12	PBM	X	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/13	FBE	LE	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/14	FBG	CE	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/15	FBI	L	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/16	FBM	C	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/17	GSG	G7	0.25 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/18	GPG	G3	0.30 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/19	PBM-P	XP	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/20	PBM-PC	XPC	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/21	PBG-P	XXP	0.33-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/22	PBE-P	XXXP	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/23	PBE-PC	XXXPC	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/24	PBM-PF	FR-1	0.35-0.40 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/25	PBE-PCF	FR-2	0.30 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/26	PEE	FR-3	0.30 calories/gram/°C	7.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/27	GEE-F	FR-4	0.26 calories/gram/°C	1.2 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/28	GEB-F	FR-5	0.25 calories/gram/°C	12 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/29	CEM-1	CEM-1	(n/a)	(n/a)
/30	CEM-3	CEM-3	0.25 calories/gram/°C	1.0 x 10 ⁻⁴ calories/second/cm ² / (°C/cm)
/31	GPO-N-1P	GPO-1P	(n/a)	(n/a)
/32	GPO-N-2P	GPO-2P	(n/a)	(n/a)
/33	GPO-N-3P	GPO-3P	(n/a)	(n/a)