



NEMA GRADE	APPLICATIONS	FEATURES	COLORS BASE MATERIAL RESIN TYPE	MILITARY SPECS
G-3	Structural applications, seals, gaskets -resist acids	Excellent strength, excellent heat resistance, high impact, low-moisture	Tan Glass Phenolic	MIL-I-24768/18GPG
G-5	Electrical-mechanical grade, switch board panels, arc barriers, circuit breakers, structural electrical parts	High mechanical strength, high arc and heat resistance, self-extinguishing, excellent electrical properties under dry conditions	Gray to Brown Glass Melamine	MIL-I-24768/8GMG
G-7	Electrical grade, class H insulation, heating appliance insulation	Good electrical properties under humid conditions, excellent heat and arc resistance, Self-extinguishing	White Glass Silicone	MIL-I-24768/17GSG
G-9	Electrical-mechanical grade, marine switch board panels, structural parts	High mechanical strength, high arc and heat resistance, self-extinguishing, excellent electrical properties under dry and humid conditions	Gray to Brown Glass Melamine	MIL-I-24768/1GME
G-10	Electrical-mechanical grade, rotor slot insulation, structural members at elevated temperatures	High mechanical strength at room temperatures up to 150° C, retains 50% of its flexural strength at elevated temperatures	Green Glass Epoxy	MIL-I-24768/3GBE
G-11	Electrical-mechanical grade, high humidity applications, power generation and transmission components	High flexural, impact and bond strength at room temperatures, good electrical properties under dry and humid conditions, non-brominated resin system	Green to Yellow Glass Epoxy	MIL-I-24768/2GEE
FR-4	Electrical-mechanical grade, terminal boards, high humidity applications	High flexural, impact and bond strength at room temperatures, good electrical properties under dry and humid conditions, U.L. 94V-0	Green Glass Epoxy	MIL-I-24768/27GEE-F