

Atlas fibre Company

GLASS EPOXY G-10/FR4

Material Specifications Data Sheet

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|--------------------------------|----------------------------------|
| SPECIFIC GRAVITY | 1.85 |
| TENSILE STRENGTH (psi) | 38,000 |
| COMP. STRENGTH (psi) | 66,000 |
| FLEXURAL STRENGTH (psi) | 65,000 |
| HARDNESS, M SCALE | 115 |
| BOND STRENGTH (psi) | 2300 |
| SHEAR STRENGTH (psi) | 21,500 |
| DISSIPATION FACTOR | |
| 10 ⁶ cycles, Cond A | 0.032 |
| DIELECTRIC CONSTANT | |
| 10 ⁶ cycles, Cond A | 4.80 |
| ELECTRIC STRENGTH | |
| V/MIL Cond A | 800 |
| FLAMMABILITY RATING | 94V-0 |
| MAX OPER. TEMP °C | 140 |
| COEFF. THERMAL EXP. | |
| IN/IN/°C X 10-5 | 1.00 |
| WATER ABSORPTION | |
| % - 24 hrs | 0.10 |
| MILITARY/FED SPEC | Mil-I- 24768/27 Type GEE-F |

All values given are average based on test samples. The performance characteristics attributed to the products described herein are based on assumptions of general and reasonable use. As results cannot be predicted or guaranteed for any specific set of conditions, each user should make their own determination of these products' suitability for their particular application. 12/2013