

Flat Sheet Composite Laminates Cross Reference for N-M Grades – ASTM & NEMA Standards – Military Specification – IPC & International Electrical Commission (IEC) Standards

| Norplex-Micarta Grade | ASTM - NEMA LI-1-1998 | Military - MIL-I-24768 / "Sheet" – "Type" | IPC 4101/ "sheet" | International Electrical Commission ¹ IEC 60893 – Part 3 – "Sheet" – "Type" |
|---|-----------------------|---|-------------------|--|
| NP610 | X | / 12 – PBM | – | – 4 – PF CP 201 |
| NP611, NP660, NP680 | XP | / 19 – PBM-P | – | – 4 – PF CP 201 |
| NP612, NP625, NP664 | XPC | / 20 – PBM-PC | – | – 4 – PF CP 207 |
| NP629 | XX | / 11 – PBG | – | – 4 – PF CP 203 |
| NP630 | XXX | / 10 – PBE | – | – 4 – PF CP 201 |
| NP691 | FR-1 | / 24 – PBM-PF | – | – 4 – EP CP 201 |
| MC223, MC330, NP310, NP310HT, NP310LS, NP342, NP394 | C | / 16 – FBM | – | – 4 – PF CC 201 |
| NP310E | CE | / 14 – FBG | – | – 4 – PF CC 203 |
| NP318 | CF | – | – | – 4 – PF CC 203 |
| NP320 | L | / 15 – FBI | – | – 4 – PF CC 305 |
| MC320LE, NP320E | LE | / 13 – FBE | – | – 4 – PF CC 305 |
| NP504 | G-3 | / 18 – GPG | – | – 4 – PF GC 301 |
| NP509 | G-5 | / 8 – GMG | – | – 3 – MF GC 201 |
| MC507U ² | G-7 | / 17 – GSG | – | – 6 – SI GC 201 |
| NP509 | G-9 | / 1 – GME | – | – 3 – MF GC 201 |
| NP500A, NP500CR | G-10 | / 2 – GEE | 20 | – 2 – EP GC 201 |
| NP130, NP130HF | FR-4 | / 27 – GEE-F | 21 | – 2 – EP GC 202 |
| NP510A | FR-4 | / 27 – GEE-F | – | – 2 – EP GC 202 |
| MC511A, MC511AF, NP511, NP511EM, NP511A | G-11 | / 3 – GEB | – | – 2 – EP GC 203 |
| P95 – GPY | – | – | – | – 7 – PI GC 301 |
| NP424 | CEM-1 | / 29 – CEM-1 | – | – |
| NP101 | N-1 | / 9 – NPG | – | – |

¹ Norplex-Micarta materials have not been tested to the IEC Standard listed. This standard is for reference only.

² MC507U does not meet all of the electrical properties of either NEMA G-7 or MIL-I-24768/17 - GSG