

**ELECTRICAL SHEET**
**TECHNICAL DATA**

**PROTECTOLITE™ GPO-3, Series 2000, 3000, 4000 and MB 2200FS**, series of electrical grade sheets are all manufactured under high heat and pressure in matched metal moulds. These products are available in a wide variety of custom moulded shapes. GPO-3 has excellent fire and track resistance, and meets or exceeds NEMA Standards. Due to a combination of high strength and flame resistance, GPO-3 products are used in the electrical industry for items such as switchgear cabinets and other industrial electrical equipment  
**UL File No. E132409 also E136182 for Class 180 and Class 220.**

| <u>PROPERTIES:</u>  | <u>VALUES:</u>               | <u>METHOD:</u> |
|---|------------------------------|----------------|
| <b>FLAMMABILITY</b><br>(2000MB/2200FS- 1/32")<br>(3000 – 1/16")<br>(4000- 1/8") | V-O<br>V-O<br>V-O            | UL94           |
| <b>FLEXURAL STRENGTH,</b>   | 20-25,000 psi                | ASTM D790      |
| <b>COMPRESSIVE STRENGTH</b>   | 30,000 psi                   | ASTM D790      |
| <b>WATER ABSORPTION</b><br>(24 Hours @ 23°C)                                    | 0.4%                         | ASTM D570      |
| <b>IZOD IMPACT, notched,</b>  | 9.0 ft-lb./in.               | ASTM D256      |
| <b>ARC RESISTANCE</b><br>(2000,3000/2200,4000)                                  | 158/185                      | ASTM D495      |
| <b>RACK RESISTANCE</b>  | 500+                         | ASTM D2303     |
| <b>DIELECTRIC STRENGTH</b><br>(perp. oil S.T.)                                  | 400 VPM                      | ASTM D149      |
| <b>TEMPERATURE INDEX (2200)</b>   | 120°C(Elec.) / 140°C (Mech.) |                |
| <b>SPECIFIC GRAVITY</b>   | 1.85                         | ASTM 792       |

**STANDARD COLOURS:**

RED, WHITE, NATURAL / ALL COLOURS (2000,3000,4000MB/ 2200FS)

**STANDARD SIZES:**

 -36"x72", 37"x73" and 48"x96" sheets, 1/32" - 6", NEMA & plus NEMA Tolerances. All sheets are HOMOGENEOUS in thickness, NO BONDING or JOINTS

**CUSTOM SIZES:**

 -Up to 50"x 96", 1/32" up to 6", NEMA & plus NEMA Tolerances.  
 Metric thicknesses are also available.

**DELIVERY:**

-Stock for standard sheets, custom sizes as required.

The property values are based upon tests believed to be reliable, performed on laboratory test plaques. However, no liability is assumed resulting from its use. We suggest that the user perform tests in order to establish the material suitable for the specific application.

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