

ELECTRICAL SHEET
TECHNICAL DATA

PROTECTOLITE™ 1200, GPO-1, IEEE Class F 155°C/165°C NEMA GPO-1 electrical grade sheet is manufactured under high heat and pressure in matched metal moulds. The 1200 series GPO-1 sheet is creep resistant and is typically used in products that are subject to high temperature and heavy loading.

<u>PROPERTIES:</u>	<u>VALUES:</u>	<u>METHOD:</u>
FAMMABILITY @ 0.028” FLAME RESISTANCE	94HB	UL 94
• IGNITION TIME	51 SECS	ASTM D229
• BURNING TIME	102 SECS	ASTM D229
FLEXURAL STRENGTH,	>25,000 psi	ASTM D790
FLEXURAL MODULUS OF ELASTICITY	>2.0x10 ⁶ psi	ASTM D790
COMPRESSIVE STRENGTH	>40,000 psi	ASTM D695
DUROMETER HARDNESS (SHORE D DUROMETER)	85-87	ASTM D2240
WATER ABSORPTION (24 Hours @ 23°C)	0.40%	ASTM D570
IZOD IMPACT, notched,	>8.5 ft-lb/in	ASTM D256
ARC RESISTANCE	>150 sec	ASTM D495
DIELECTRIC STRENGTH (perp. air S.T.)	>500 VPM	ASTM D149
TEMPERATURE CLASS*	Class F 155°C	IEEE
SPECIFIC GRAVITY	1.80	ASTM 792

STANDARD COLOUR:

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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.

***Approximate Temperature Class is listed. Classification depends on end use and location on the material in the system.**

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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