

NEMA GPO-3

Composition:

A fiberglass reinforced thermoset polyester molded material.

Sheet Sizes:

Sheet sizes of 36"x72", 48"x60" and 48"x96", tubes, angles and channels in thicknesses: 3/32" to 2".
Cut and fabricated to shape.

Color:

Red

Advantages:

GPO-3 is a flame retardant, rigid fiberglass reinforced plastic material used for general purpose electrical and/or mechanical applications where low cost is desired. GPO-3 can withstand higher temperatures than GPO-1 or GPO-2, and has better electrical characteristics.

Specifications:

Density	112 lbs/ft ³ – 0.65 lbs/in ³
Maximum operating temperature	
electrical	320°F (160°C)
mechanical	302°F (150°C)
Water absorption	0.2 – 0.44%
Compression strength ASTM D-695	30,000 – 33,100 psi
Tensile strength ASTM D-638	7800 - 9400 psi
Flexural strength ASTM D-790	22,100 - 25,000 psi
Impact strength ASTM D-256	8.9 – 9.5 Izod ft-lb/in notch
Thermal conductivity ASTM D-177	1.9 BTU/hr/ft ² /in°F
Coefficient of therm expansion ASTM D-696	2.0 x 10 ⁻⁵ in/in/ °C
Arc resistance	180 - 194 sec