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C.F./P.I. 02862770100 C.C.I.A.A. 301289
 Reg. Imprese 47463 Cap. Soc. € 10.400,00

- **Size 1250x2500 mm**
- **Excellent Insulations**
- **UL94 V-0**
- **Available Red or White**
- **NEMA Grade GPO-3**
- **UL file E346415**

DielettrikGlass GPO3 is a fiberglass reinforced thermoset polyester rigid composite. It is available in the sheet form described here, as well as a wide variety of channel, angle, and tube sizes. These materials are the industry standard for flame and arc/track resistant electrical insulation. In addition, the excellent combination of high strength, flame resistance, and low smoke generation has given it application in many other areas such as transit and marine where safe and economical materials are required.

GENERAL INFORMATION	PROCEDURW	METRIC UNITS	VALORI TYPIC ¹
Part number	Dielettrikglass Gpo3		
Color Standard	Rosso/bianco		
NEMA Grade	NEMA LI-1	GPO-3	
MECHANICAL PROPERTIES			
Tensile Strength	ASTM D 638	Mpa	90
Tensile Modulus	ASTM D 638	Mpa	8 x 10 ³
Flexural strength	ASTM D 790	Mpa	210
Flexural strength at 130°C	ASTM D 790	Mpa	120
Compressive strength	ASTM D 695	Mpa	220
Shear strength	ASTM D 732	Mpa	80
ELECTRICAL PROPERTIES			
Electric Strength-Perpendicular S/T in Air	ASTM D 149	kV/mm	18
Electric Strength-Perpendicular S/T in Oil	ASTM D 149	kV/mm	23
Electric Strength-Parallel S/S in Oil	ASTM D 149	kV	47
Arc resistance	ASTM D 495	sec	180
IEC Tracking resistance (CTI)	UL 746A	V	500
Dissipation factor, 60 Hz	ASTM D 150		0.013
Dissipation factor, 1 MHz	ASTM D 150		0.010
Insulation resistance	ASTM D 257	Ohm x 10 ¹²	3.1
FIRE PROPERTIES			
UL Subject 94	UL 94	2.4mm	V-0
Oxygen index	ASTM D 2863	%O ₂	35
PHYSICAL PROPERTIES			
Water absorption	ASTM D 570	% by wt.	0.4
Gravity	ASTM D 792		1.85
Coefficient of thermal expansion	ASTM D696	10 ⁻⁶ /K	20
Thermal conductivity	ASTM C177	W/m•k	0.274
Max work temperature		°C	155

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