

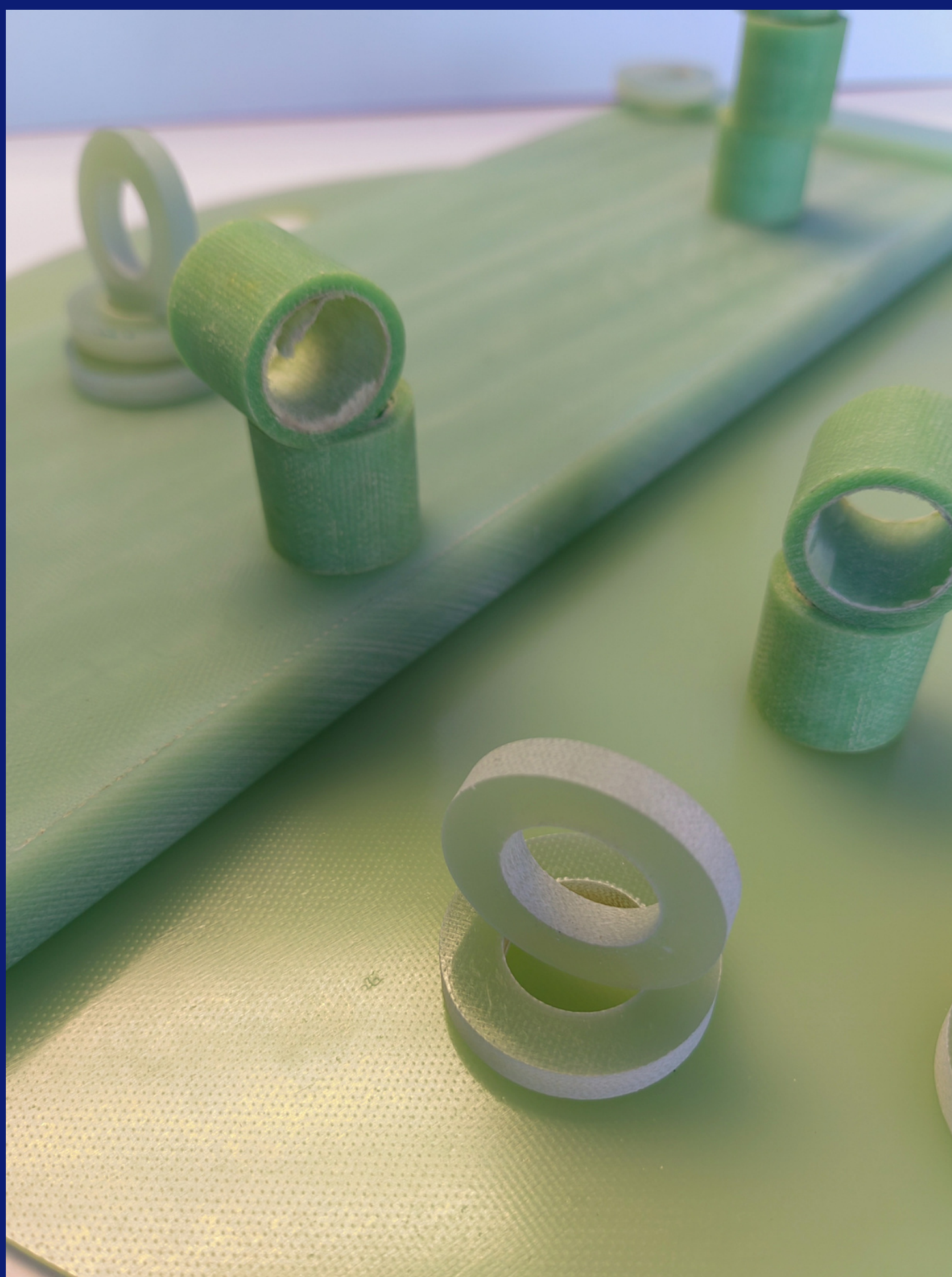


# DEMS

## Epoxy Glass Fabric Laminate

### Epoxy Glass G10

Epoxy Glass Fabric Laminate is bonded with a high quality epoxy resin containing flame retardant additives. It has a high mechanical strength with very low moisture absorption and it offers excellent electrical insulation properties.



- NEMA LI-1 Type FR4
- Colour: Translucent/Green/Yellow
- Voltage :>50 kV
- Temperature : 160°C
- Applications : Spacers, wear strips, bushes, insulation panels, furnace insulation, heat sealing strips.
- High MPa.



**DEMS**

**DURBAN**  
Tel: (+27)31 579 9300



**DEMS**

**E.G.A.**

**JOHANNESBURG**  
Tel: (+27)11 824 0834



**DEMS**

**Gartech**

**CAPE TOWN**  
Tel: (+27)21 534 3388



## DATA SHEET GLASS EPOXY LAMINATE

<b><u>PROPERTIES</u></b>		(D) DIN 7735	HGW2372.1	
		EN 60893/IEC893	EP GC 202	
		IS 10192	EP 2	
		RESIN	EPOXY	
		REINFORCEMENT	G.FABRIC	
<b><u>MECHANICAL PROPERTIES</u></b>		METHOD	UNIT	
FLEXURAL STRENGTH	IS 10192	MPa	550	
TENSILE STRENGTH	IS 10192	MPa	330	
SHEAR STRENGTH	IS 10192	MPa	140	
MODULUS OF ELASTICITY	IS 10192	MPa	24000	
COMPRESSIVE STRENGTH	IS 10192	MPa	440	
CHARPY IMPACT STRENGTH	IS 10192	KJ/m <sup>2</sup>	235	
IZOD IMPACT STRENGTH	IS 10192	KJ/m <sup>2</sup>	240	
<b><u>ELECTRICAL PROPERTIES</u></b>				
ELECTRICAL STENGTH PARALLEL TO LAMINATION	IS 10192	kV	>50	
INSULATION RESISTANCE	IS 10192	MQ	5X10 <sup>5</sup>	
PERMITTIVTY AT 1 MHz	IS 10192		5.2	
DISSIPATION FACTOR AT 1 MHz	IS 10192		0.002	
COMPARATIVE TRACKING INDEX	IS 10192	CTI	350	
<b><u>PHYSICAL PROPERTIES</u></b>				
DENSITY	IS 10192	G/cm <sup>3</sup>	1.85-2.0	
WATER ABSORPTION AT 6mm	IS 10192	%	0.20	
TEMPERATURE INDEX	IS 10192	TI/C	160	
FLAMABILITY	UL 94		V-0	