

- UL recognized
- Flammability UL94V0
- Good punching property
- Correspondent to Nema Gpo-3
- UP GM 203 according to IEC 60893-35
- UNI CEI 111730-3 ED 2005 Approval
- EN ISO 11925-2 APPROVAL
- AFNOR NF 16-101 APPROVAL
- CEN/TS 45545-2:2009 APPROVAL

DieletrikGlass-SMC is a polyester resin with a reinforcement of chopped glass fiber. This material more and more replace standard Gpo3 because have similar property at more cheap price. Excellent mechanical and electrical property, **DieletrikGlass-SMC** is UL94V0 and is in conformity to AFNOR NF16-101 property and UL recognized. It's very easy to work and punching, is used for Switchboards, phase barriers, Arc chamber... Sheets size 1250 X 2000 mm and thickness are available 2 to 100 mm in color red or white.

REV. 4/11 15Aprile 2011

Test Item	unit	Test Result	Test Standard
Tensile modulus of elasticity	Mpa	1.62×10^4	ISO527-2:1993
Felexural Strength	A(under normal conditions)	130	ISO178:1993
	130°C	75	
Flexural modulus of elasticity	Mpa	9.8×10^3	
Compressive Strength	Mpa	190	ISO604-1993(E)
Impact Strength (Charpy,Un-notched)	KJ/m ²	86	ISO179-1:2000
Impact Strength (Un-notched Izod Impact Strength)	KJ/m ²	79	ISO180:1982
Shear Strength	Mpa	47	IEC60893-2
Flammability (FV)	Grade	V-0	UL94-2001
Max working temperature	°C	155	--
Incandescent method	Grade	BH2-8	IEC60707:1981
Electrical Strength (Φ20 ball electrode in normal Oil)	MV/m	20,4	IEC60243-1:1998
Breakdown voltage, parallel	Kv	78,6	IEC60243-1:1998
Relative permittivity(1MHZ)	-----	4,03	IEC60250:1996
Dielectric dissipation factor (1MHZ)	-----	9.07×10^{-3}	
Insulation resistance	A(under normal conditions)	8.9×10^{14}	IEC60176-:1964
	D-24h / 23°C	3.0×10^{14}	
Proof Tracking index (PTI)	-----	600	IEC60112:1979
Comparative Tracking index (CTI)	-----	600	
Tracking resistance (2.5kv,360min)	-----	1B2.5 pass	IEC60587:1984
Max.erosion	mm	0,7	
Tracking resistance (2.5kv,300min)	-----	1A2.5 pass	ASTMD2303
Max.erosion	mm	0,3	
Water absoprtion	mg	25,8	ISO62:2008
Density	g/cm ³	1,7	ISO1183-1:2004
UL FILE NUMBER E346415			

I dati riportati su questa tabella sono informative in quanto rappresentano valori medi riscontrati sulla produzione corrente e non implicano alcun impegno o garanzia da parte nostra. Per stabilire l' idoneità di un prodotto per uno specifico impiego si ritiene opportuno che l' utilizzatore provveda ad effettuare preventivamente le prove del caso. ROHS and REACH APPROVAL / All information and recommendation mentioned in this data sheet are average value ascertained by current statistical returns and tests. We do not warranty their accuracy. ROHS and REACH approval.