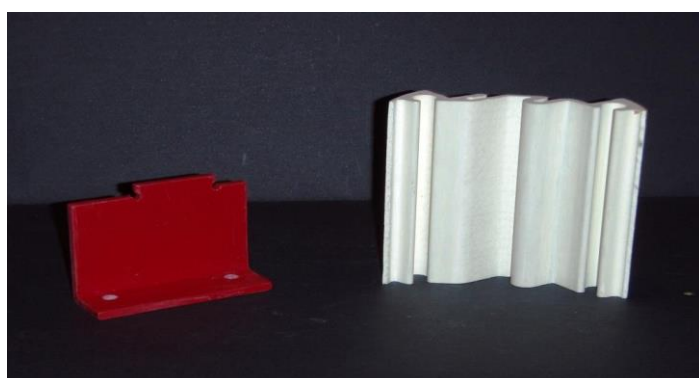


MP3 GPO3

GlassMat Polyester

Technical Data Sheet REV.02 23/01/2019

GPO3 UP GM 203	M1 F0	High mechanical and electrical characteristics	UL 94 VO Halogens-free
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The MP3 GPO3 quality is a layered composite based on glass mat and polyester resin with good electrical and mechanical characteristics up to 155°C-self-extinguishing UL 94 – VO and MI-FO, it resists very well to the arc and to the track in particularity severe environments.

Follows to the following rules:

- EN: UP GM 203
- NEMA: GPO3
- DIN: Hm 2471

Mechanical Properties	UNIT	VALUE	TEST NORM
Flexural Strength	N/mm ²	>150	ISO 178
Modulus Of Elasticity	N/mm ²	(>9.000)	ISO 178
Flexural Strength at 130°C	N/mm ²	>70	ISO 178
Impact Strengh (Charpy), //	kJ/m ²	>65	ISO 179
Compressive Strength //, at 23°C	N/mm ²	>160	ISO 604
Compressive Strength at 23°C, flatwise	N/mm ²	(220)	ISO 604
Tensile Strength, //, at 23°C	N/mm ²	(70)	ISO 527
Electrical Properties			
Surface Resistance	Ohm	1.00E+13	IEC 60893
Electric Strength, Perpendicular- after 24h at 23°C + 50% r.h.	kV/mm	>20	IEC 60893
Permittivity at 1 MHz		5.0	VDE 0303 Teil 4
Dissipation Factor at 1 MHz		0.01	VDE 0303 Teil 4
Volume Resistivity	lhm.cm	1.00E+14	IEC 60893
Proof Tracking Index		500	IEC 60112
Tracking Resistance	Class	1B 2.5	IEC 60587
Tracking and Erosion Resistance	Minutes	300	IEC 60587
Thermal Properties			
Temperature Index (TI)	TI	(155)	IEC 60216
Heat Distortion Temperature	°C	>200	ISC 75-2
Physical Properties			
Density	g/cm ³	(1,8-1,9)	ISO 1183
Water Absorption, t= 4 mm	mg	<50	ISO 62, Verf. 1
Glow Wire Ignition Temperature		≥3 mm	ISO 60695-2-10
Other Properties			
Contact With Glow-Rod		BH 2-40	VDE 0304T3
Flammability	V-0	≥3 mm	UL 94

Standard Sizes: 2000 x1250 mm (3 to 50 mm)
2000X1000 mm (1 to 2 mm)
Thickness: From 1 to 50 mm
Color: White or Red