

PF2A2 9005 400

TYPE: MEDIUM PERFORMANCE

Description:

Glass fiber reinforced PMC

Generic identification:

PF(GF)10 (according to ISO 1043-2:2011)

Main filler:

Mineral, Organic and Glass Fiber

Application:

Switches, Electrical Appliances, Automotive

Resin:

Phenolic

Color:

Black

Molding method:

Injection (high fluidity)



	properties	units	norms of the trials	results
physical	Apparent Density	g/cm ³	NFT 51003	0.55-0.60
	Specific Gravity	g/cm ³	ISO 1183	1.45-1.50
	Shrinkage	%	ISO 2577	0.50
	Post shrinkage	%	ISO 2577	0.35
	Water pick-up	mg	ISO 62	25
thermal	HDT (methode A)	°C	ISO 75	180
	HDT (methode C)	°C	ISO 75	125
	UL Class (3.2 mm)		UL 94	V0
	UL Class (1.6 mm)		UL 94	V0
	Blistering Temperature	°C	In-house	240
mechanical	Tensile Strength	MPa	ISO 527	75
	Compressive Strength	MPa	ISO 604	250
	Charpy (Unnotched)	KJ/m ²	ISO 179	9
electrical	Dielectric Str. (oil 90°C)	MV/m	NFC 26225	7
	Tracking Index	V	IEC 60112	180