

PL 3 AS

GLASS MAT AND POLYESTER RESIN LAMINATES.

CHARACTERISTICS	MEASURING METHOD	UNIT	VALUE
SPECIFIC WEIGHT	UNI ISO 1183	g / cm ³	1.85
WATER ABSORPTION	UNI ISO 62	%	0 . 20
FLEXURAL STRENGTH	UNI EN ISO 178	MPa	> 170
TENSILE STRENGTH	UNI EN ISO 527/4	MPa	90
COMPRESSIVE STRENGTH ⊥	UNI EN ISO 604	MPa	300
COMPRESSIVE STRENGTH //	UNI EN ISO 604	MPa	230
IMPACT STRENGTH , Charpy	UNI EN ISO 179	J / cm ²	> 7
BONDING STRENGTH	ASTM D 3846	N / mm ²	35
DIELECTRIC STRENGTH	CEI EN 60243	kV	40
DIELECTRIC STRENGTH ⊥	CEI EN 60243	kV / mm	13
ARC RESISTANCE	ASTM D 495	sec	190
RESISTANCE TO TRACKING	CEI EN 60112	CTI	600
FLAMMABILITY	UL 94	CLASSE	V 0
REACTION TO FIRE	AFNOR NF F 16.101	CLASSE	F 1
MASS RATE OF REINFORCEMENT		%	> 23
THERMAL CLASS		°C	155

- Sheets out of PL 3 AS are based on glass mat reinforcement impregnated with polyester resin and suitable fillers. It is available in size of approx. 2000 x 1270 in thicknesses from mm. 1,5 to mm. 40 mm. and insize of approx. 1265 x1150 with thicknesses from 5 to 100 mm.
- Standard colour is Red (RAL 3020). On request it is also possible to supply sheets in white and brown colour (RAL 8016).
- The product fully complies with the request of **ST1754** (AREVA).
- On request is also possible to supply sheets in white and grey colour and also thicknesses different from the standard one, as well as parts machined according to drawing.
- Standards: Nema LI –1 : type GPO 3 DIN 7735 : type Hm 2471
ISO 1642 : type UP GM 3 IEC 893-3-5 : type UP GM 203