

PL 5 – S A D

GLASS MAT ON POLYESTER RESIN BASE.

Colour RED - RAL 3011.

CHARACTERISTICS	STANDARD	UNIT	VALUE
DENSITY	UNI ISO 1183	g / cm ³	1.85
WATER ABSORPTION	UNI ISO 62	%	0 . 20
FLEXURAL STRENGTH AT 23°C	UNI EN ISO 178	MPa	> 250
FLEXURAL STRENGTH AT 150°C	UNI EN ISO 178	MPa	130
TENSILE STRENGTH	UNI EN ISO 527/4	MPa	> 120
COMPRESSIVE STRENGTH ⊥	UNI EN ISO 604	MPa	> 400
COMPRESSIVE STRENGTH //	UNI EN ISO 604	MPa	> 200
IMPACT STRENGTH , Charpy	UNI EN ISO 179	J / cm ²	> 11
BONDING STRENGTH	ASTM D3846	N / mm ²	37
BREAKDOWN VOLTAGE //	CEI EN 60243	kV	> 40
DIELECTRIC STRENGTH ⊥	CEI EN 60243	kV / mm	> 13
ARC RESISTENCE	ASTM D 495	sec	180
COMPARATIVE TRACKING INDEX	CEI EN 60112		CTI 600 M
SURFACE RESISTIVITY	CEI EN 15-23 (IEC 93)	Ω	3 x 10 ¹³
FIAMMABILTY	UL 94	CLASS	V 0
FIRE BEHAVIOUR	AFNOR NF F 16.101	CLASS	F 1 M 1
TEMPERATURE CLASS		°C	155

- Sheets out of PL 5 SAD are based on glass mat reinforcement impregnated with polyesser resin and suitable fillers. It is available in size of 2000 x 1270 mm in thickness 1.5 to 40 mm and in size of 1265 x 1150 mm in thickness > 40 to 100 mm.
- Standard color is red RAL 3011. On request PL 5 SAD is available in white and grey.
- Standards type :

Nema LI -1	Tipo GPO 3	DIN 7735	Tipo Hm 2472
ISO 1642	Tipo U P GM 5	IEC 893-3-5	Tipo UP GM 205