

G11 L/C**EPOXY RESIN SHEETS REINFORCED WITH GLASS****TECHNICAL DATA SHEET**

PROPERTIES	STANDARDS	U. M.	G11 L/C
Density	UNI ISO 1183	g / cm ³	1,9
Rockwell hardness	ASTM D 785	M	110
Flexural modulus at 200°C	UNI ISO 14125/2000	MPa	22000
Flexural strength at 23°C	UNI ISO 14125/2000	MPa	480
Flexural strength at 200°C	UNI ISO 14125/2000	MPa	410
Tensile strength	UNI EN ISO 527/4	MPa	430
Compressive strength \perp at 23°C	UNI EN ISO 604/98	MPa	> 500
Compressive strength \perp at 200°C	UNI EN ISO 604/98	MPa	500
Compressive strength //	UNI EN ISO 604/98	MPa	>350
Compressive modulus at 200°C	UNI EN ISO 604/98	MPa	8300
Impact strength, Charpy	UNI EN ISO 179 /98	kJ / m ²	>60
Splitting load	DIN 53453	N	7000
Dielectric strength //	CEI EN 60243 - 1	KV	40
Dielectric strength \perp	CEI EN 60243 - 1	kV / mm	18
Thermal conductivity	DIN 52612	W/mK	0,3
Water absorption	UNI ISO 62 /86	%	0,05
Thermal class	-	°C	240

G 11 L/C sheets are made of a laminate composed of a type E glass fabric impregnated with special epoxy resins for high temperature applications, such as press surfaces, in the format of mm 5500 x 770 and with thickness from mm 4 to mm 70.