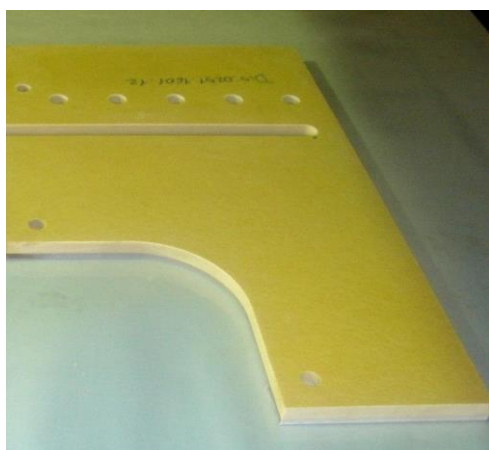


DURAGLAS S

HIGH COMPRESSIVE STRENGTH AT 220°C

TECHNICAL DATA SHEET

Rev.03 - 02/04/2010



DESCRIPTION:

DURAGLAS S is a board made out of a combination of glass fiber and a special epoxy resin, designed for continuous operation at 220°C.

DURAGLAS S is characterized by:

- High compressive strength at temperatures up to 220°C;
- Low hygroscopicity;
- Excellent behavior at high frequencies;
- Excellent dielectric properties.

APPLICATIONS:

All the applications where an insulating material under compression is required (hot presses until 220°C); very good for electrical systems and for every element that must withstand high mechanical and electrical stress.

TECHNICAL SPECIFICATIONS:

Tensile strength ISO 527-2	MPa	280
Compressive strength ISO 604	MPa	450
Flexural strength ISO 178	MPa	360
Impact resistance ISO 179	KJ/m ²	50
Elastic modulus ISO178	MPa	18000
Dielectric strength at 90°C IEC 243-1	KV/mm	
Dissipation factor tg δ1μHz		0.05
Thermal conductivity ISO 8302	W/m°K	0.35
Operating temperature IEC 216	°C	220
Peak temperature	°C	280
Thermal class		H
Hygroscopicity (24h)	%	0.2
Specific weight ISO 1183	g/cm ³	1.9
Coefficient of linear expansion	10 ⁻⁶ K ⁻¹	10-20
Board dimension	Mm	2400x1200
Thicknesses	Mm	From 3 to 50