

Figures

Figure 1

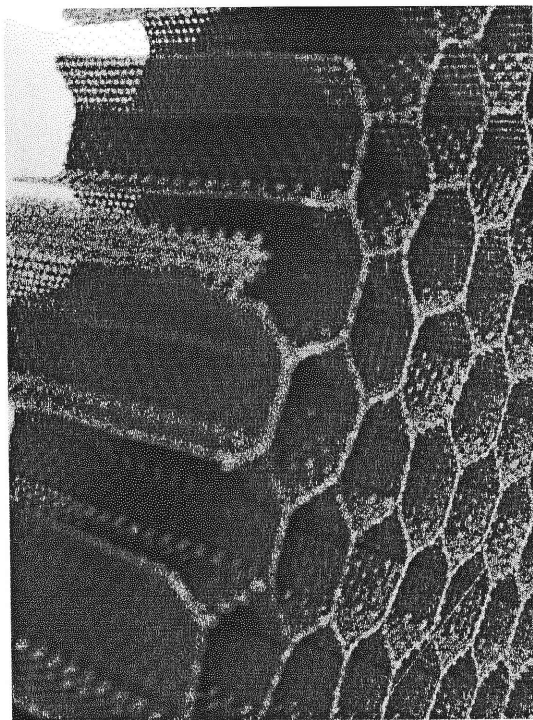
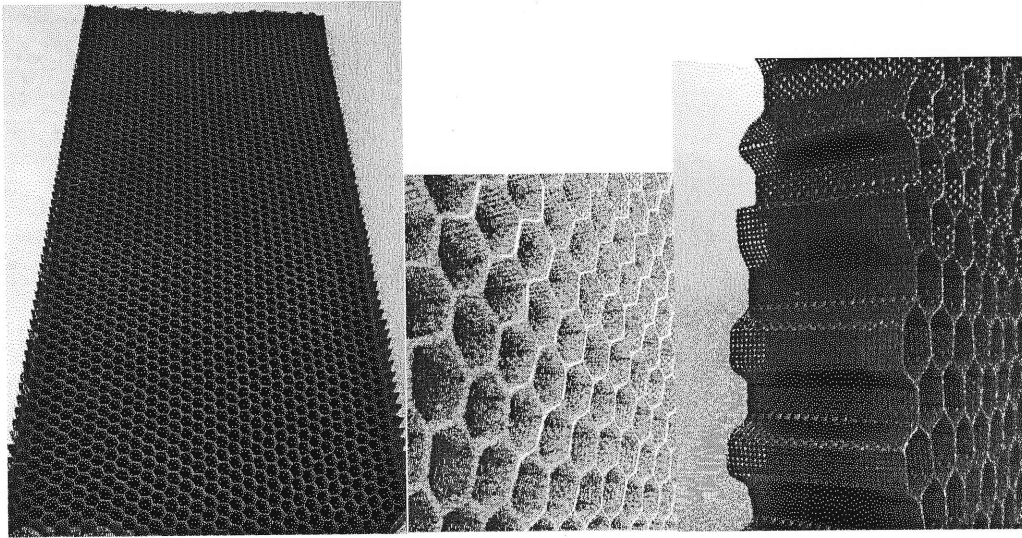


Figure 2

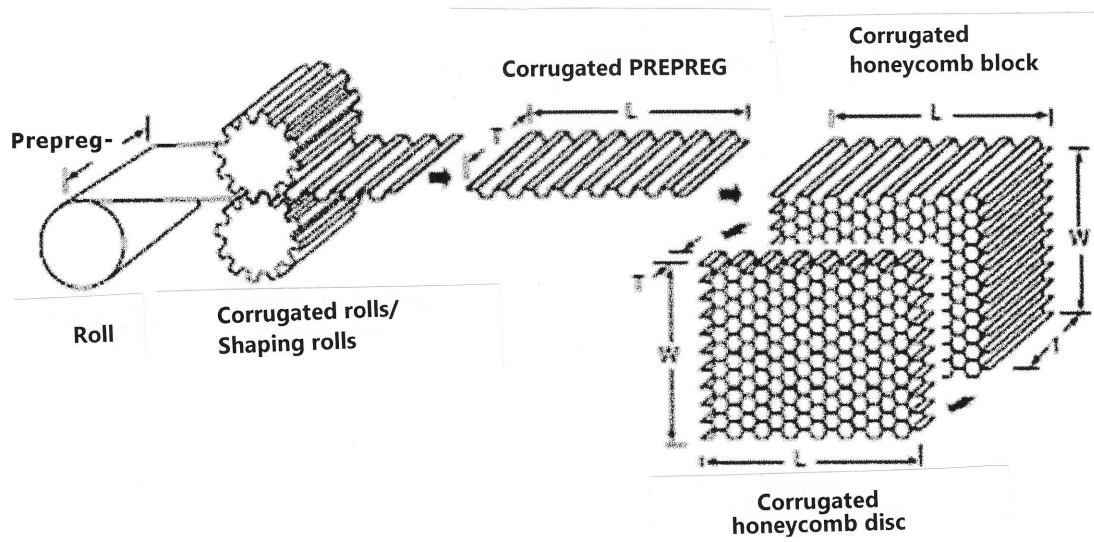


Figure 3

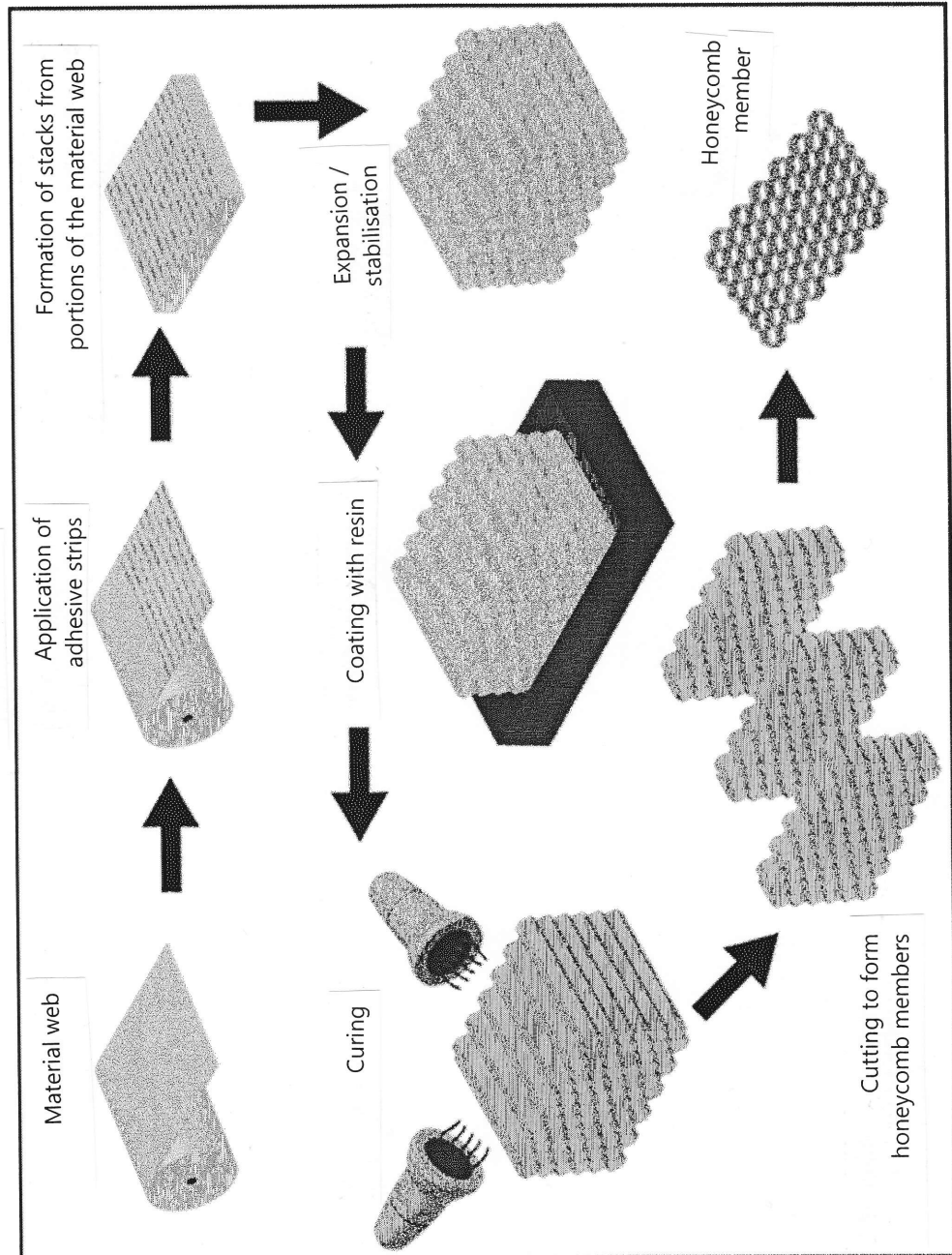


Figure 4

Summary of mean values relative to the cyanate ester honeycomb			
Honeycomb properties	Units	Honeycomb type	
Unstabilised compressive strength at RT according to ASTM-C-365	N/mm ²	ECG-CEQ-P 6.4-32	1.25
	N/mm ²	Prior art for a bulk density of 48kg/m ³	1.6
Unstabilised compressive modulus at RT according to ASTM-C-365	N/mm ²	ECG-CEQ-P 6.4-32	275
	N/mm ²	Prior art for a bulk density of 48kg/m ³	190

Figure 5

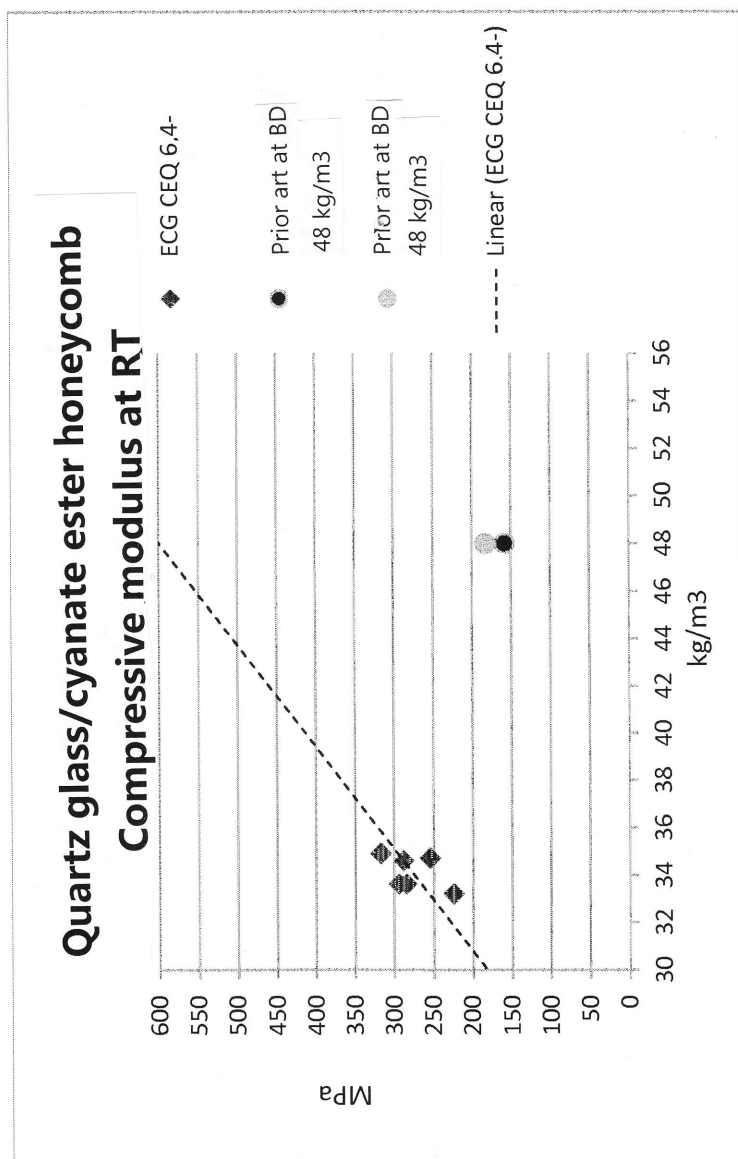


Figure 6

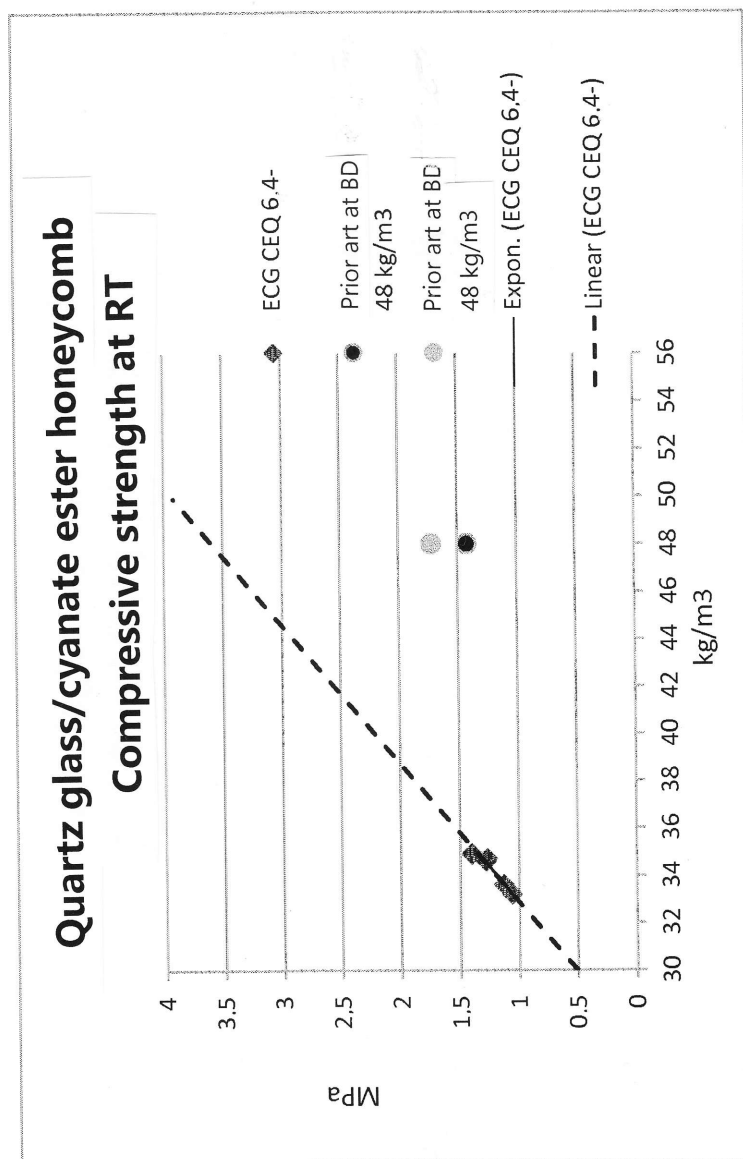


Figure 7

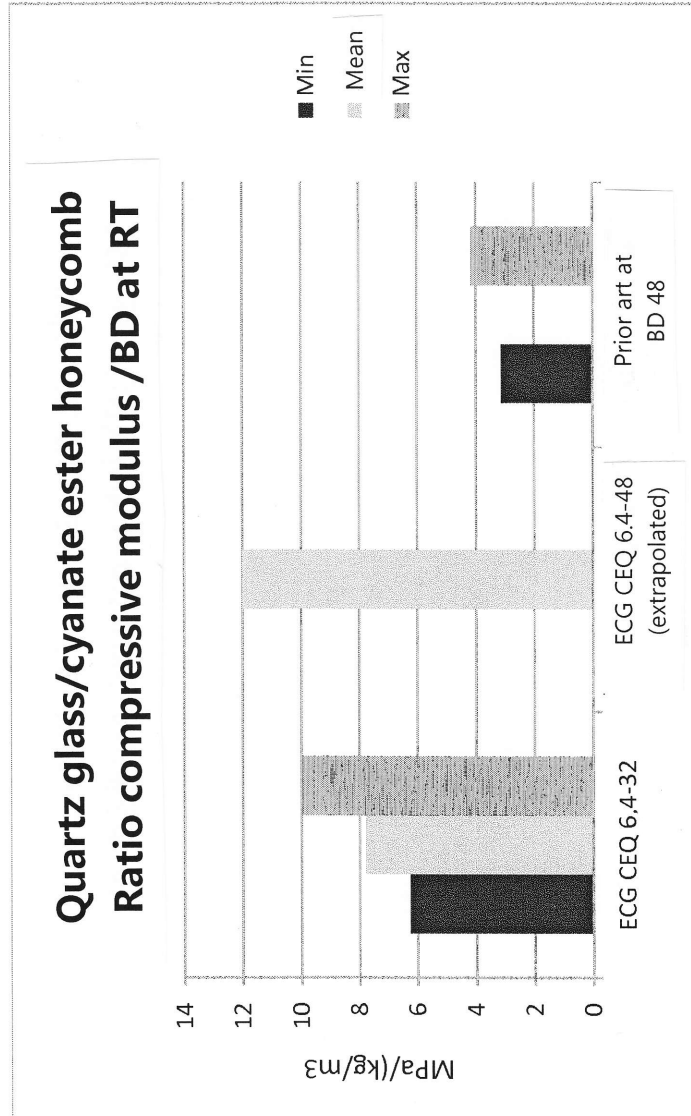


Figure 8

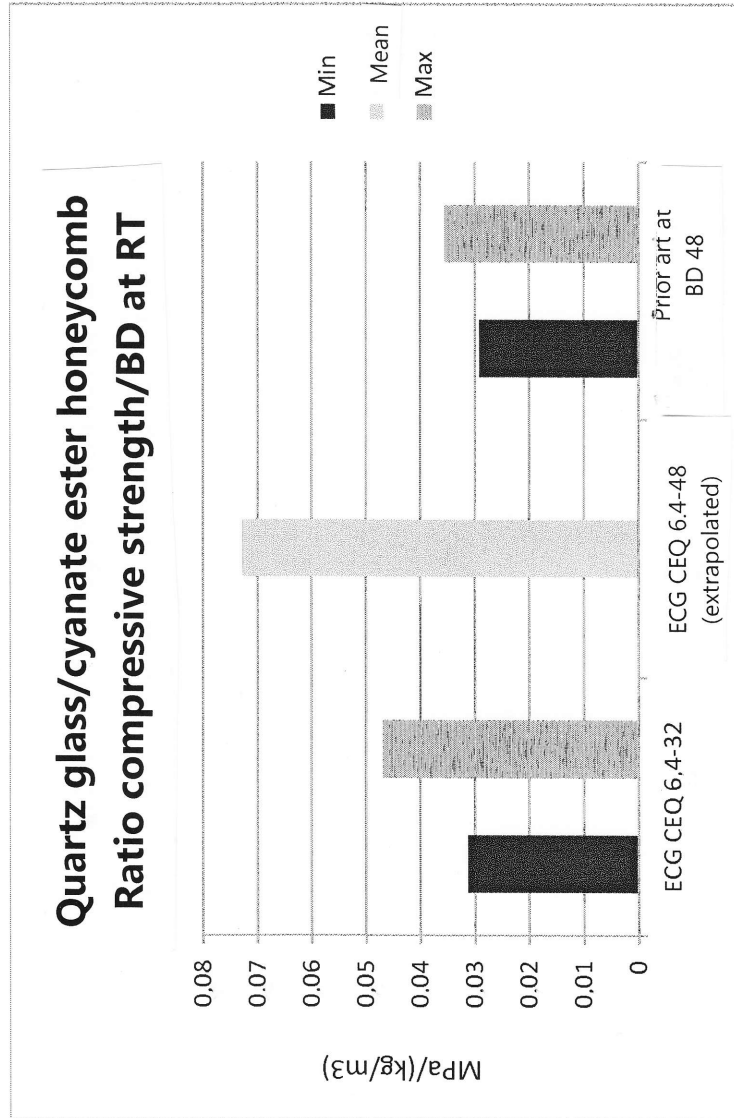


Figure 9

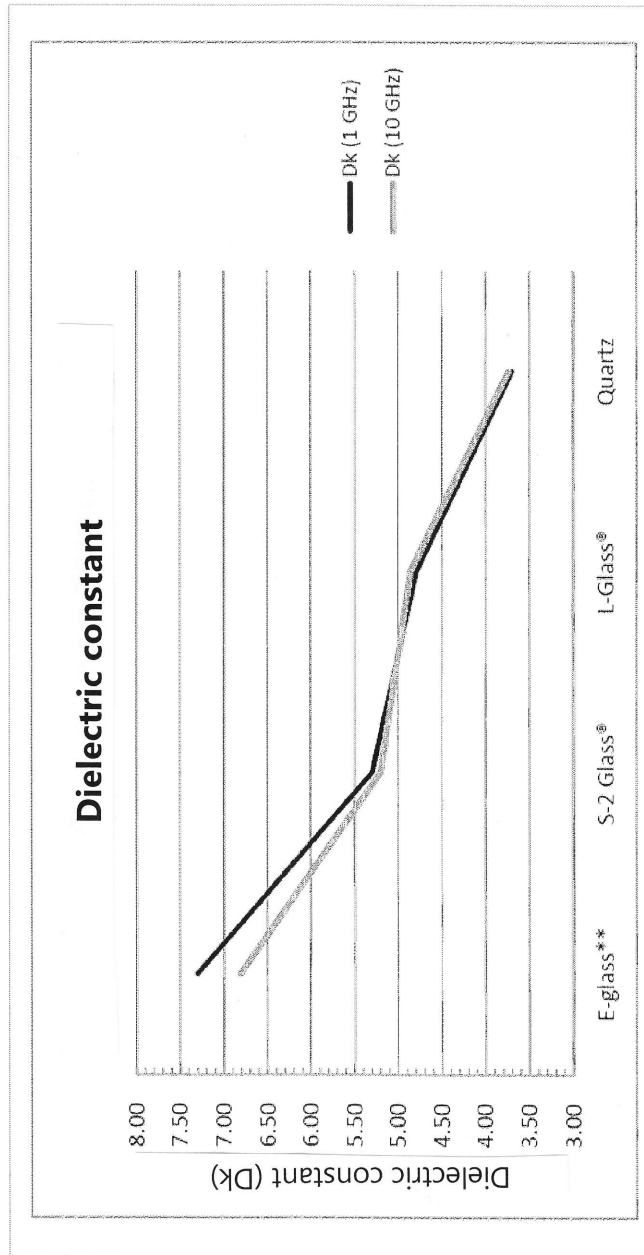


Figure 10

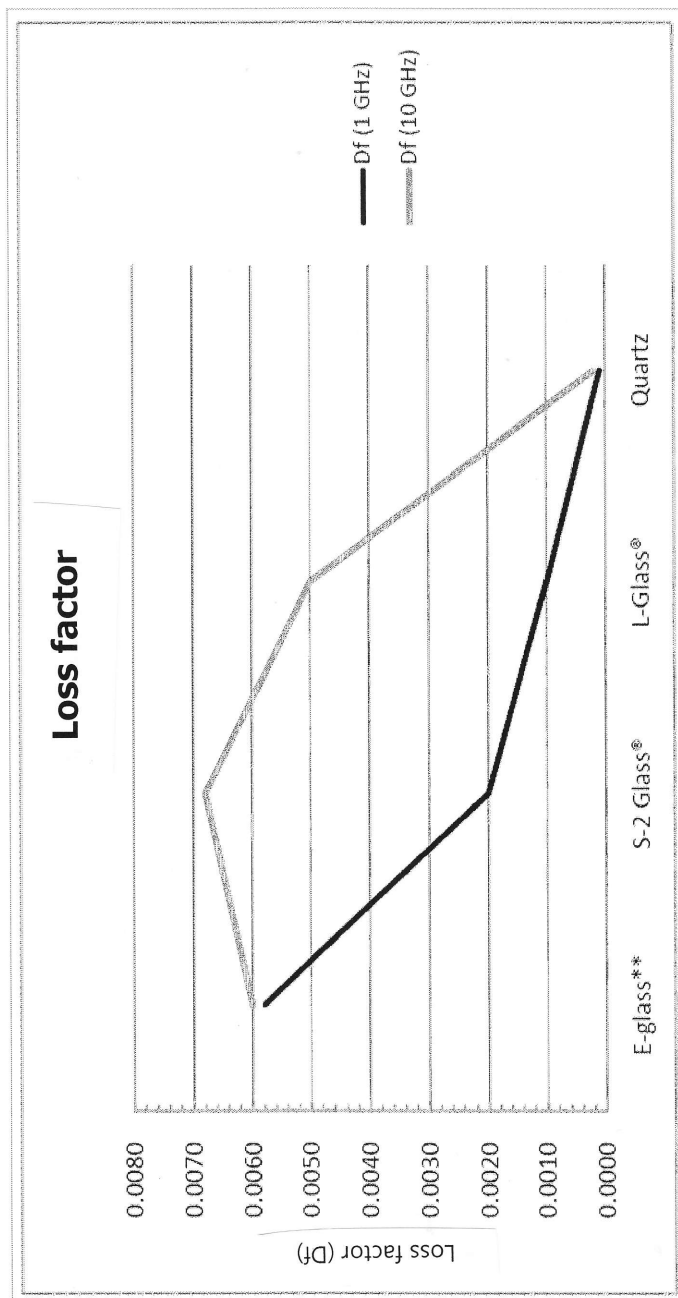


Figure 11

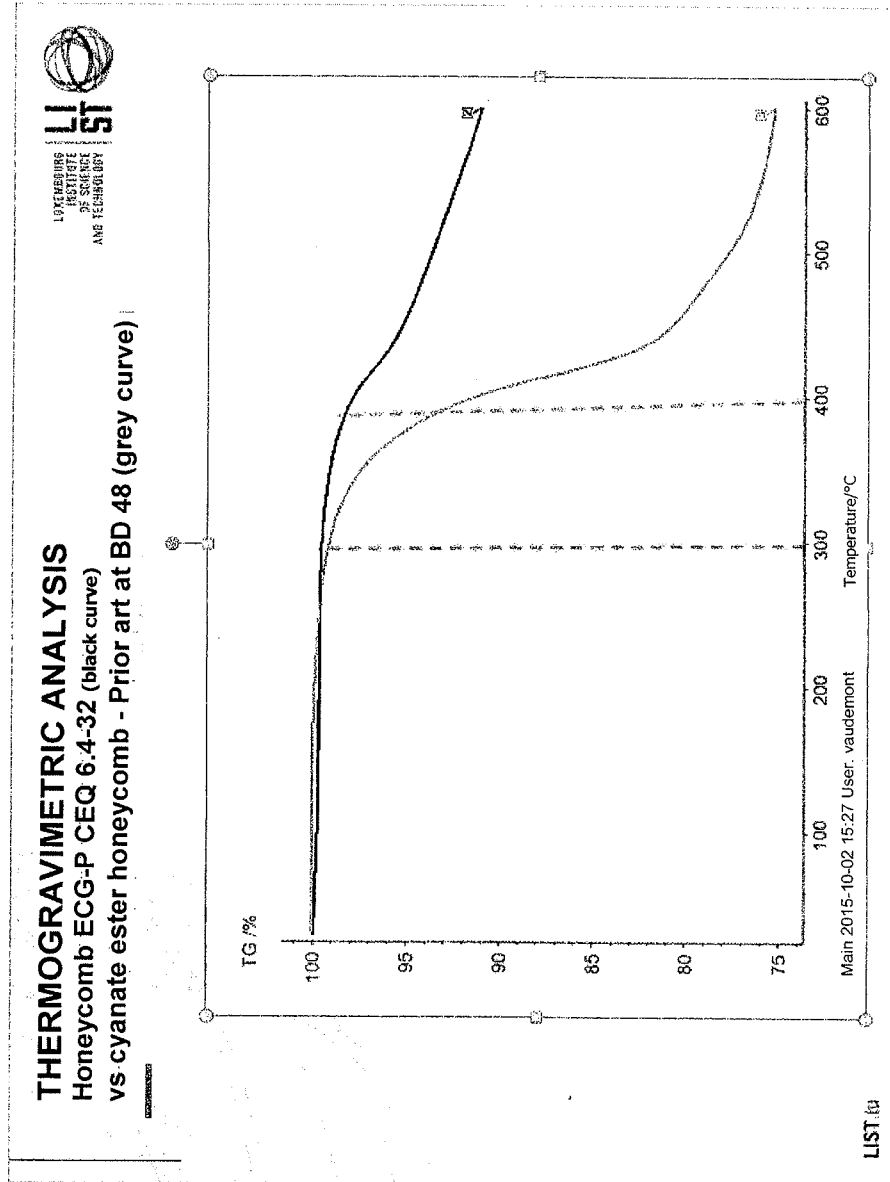


Figure 12

Summary of mean values relative to the cyanate ester honeycomb				
Honeycomb properties	Units			
Outgassing test according to ECSS-Q- ST-70-02C				
	%	ECG CEQ-P 6.4-36	measured	required
			TML	
			0.636	<1
			RML	
			0.087	<1
			CVCN	
			0.000	<0.1
Thermogravimetric analysis (TGA),	°C	ECG-CE-Q-P 6.4-32	± 400°C	
	°C	Prior art for a bulk density of 48kg/m ³	± 300°C	

Figure 13

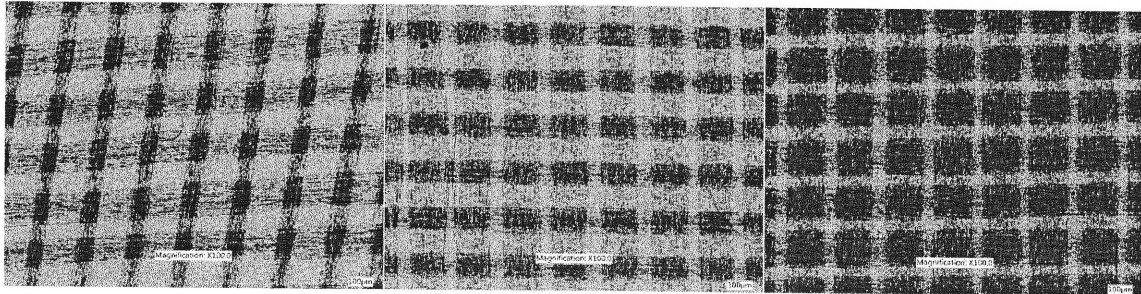


Figure 14

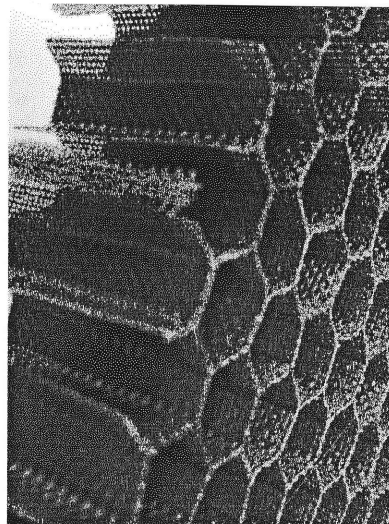


Fig 15

Compressive modulus at RT

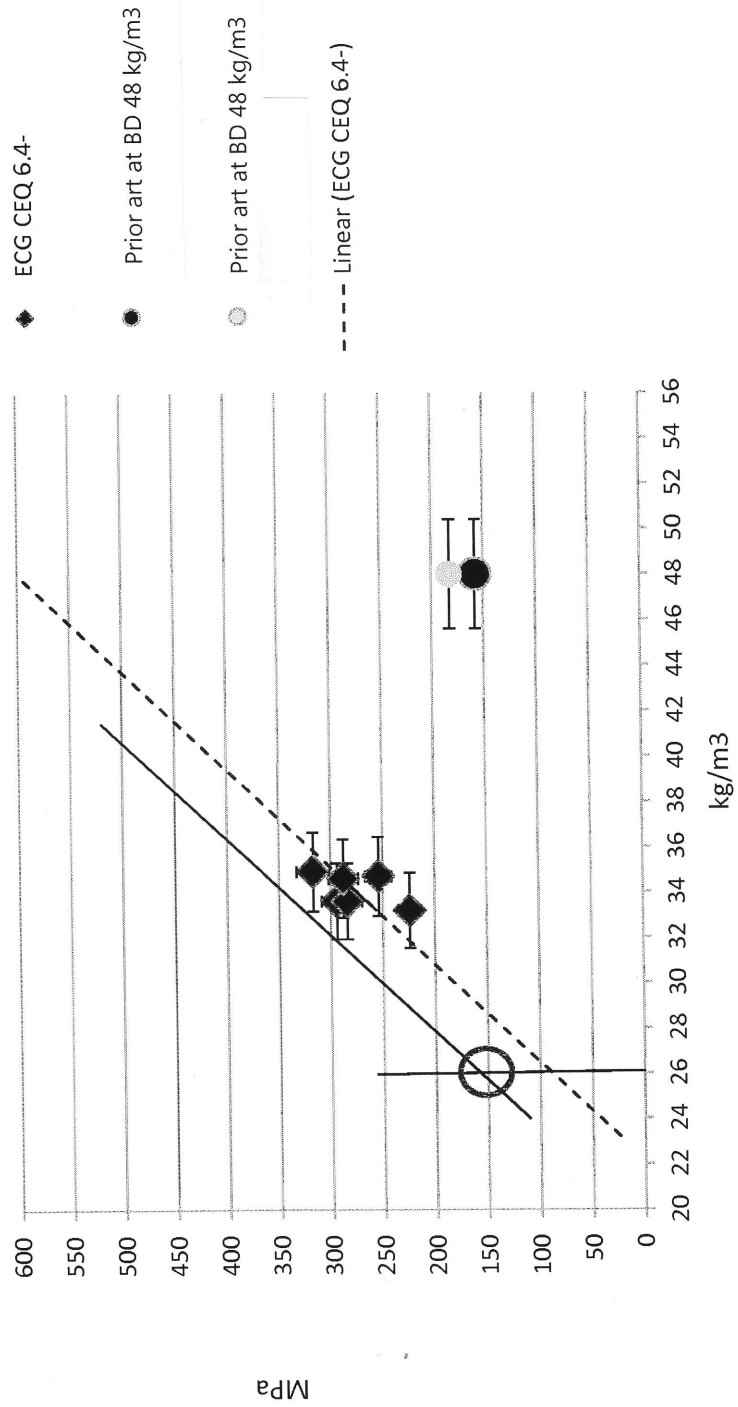


Fig 16

Weight per unit area of the impregnated support in
g/m² relative to cell size (mm)-bulk density (kg/m³)

