

## Technical specification for B-hygienic FRP sheet

	Standard	Value	Unit of Measurement
<b><u>Mechanical properties</u></b>			
Impact strength	ASTM D-256	180	J/m
Tensile strength	ASTM D-638	314	Kg/cm <sup>2</sup>
Flexural strength	ASTM D-790	694	Kg/cm <sup>2</sup>
Linear expansion	ASTM D-696	0.025	Mm/m°C

<b><u>Chemical properties</u></b>			
Sulphuric	Acids	No Change	
Acetic	Concentrated	No Change	
Hydrochloric	At	No Change	
Nitric	15%	No Change	
Ammonia	Bases	No Change	
Sodium Hydroxide		No Change	
Thinner	Solvents	No Change	
Petrol		No Change	
Acetone		No Change	
Alcohol		No Change	

<b><u>Fire properties</u></b>			
Fire Retardant	ASTM E-84	Standard sheets 200/450 Fire retardant sheet 25/450	Flame spread/Smoke developed

<b><u>Physical properties</u></b>			
Thermal conductivity	D-5261	0.23	W/m°k
Water absorption	D-570	3/24 hrs. At 25°C	%
Hardness	D-2583	30-40	Barcol
Opacity		96,5	Minimal %

B-Hygienic FRP panels contain < 0.06% styrene after production

### **B-Hygienic bvba**

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