



facade systems

**Product: FR&\$\$**

## Material Specification (Typical Properties)

<b>Mechanical Properties</b>	<b>Unit</b>	<b>Value</b>	<b>Test Standard</b>
Flexural strength	MPa	165	ISO 178
Modulus of elasticity	MPa	9000	ISO 178
Design Compressive strength at 23°C	MPa	320	ISO 826
Compressive strength at 200°C	MPa	250	ISO 604
Friction Coefficient	/	TBA	ASTM D1894
<b>Physical Properties</b>			
Density	g/cm <sup>3</sup>	2.15 (+/-0.1)	ISO 1183
Water Absorption (24h 23°C)	%	<1	ISO 12087
<b>Electrical Properties</b>			
Electrical strength	kV/mm	20	DIN 60243-1
<b>Thermal Properties</b>			
Operating temperature	°C	-100/ +500	
Coefficient of linear expansion //	1.0E-6 / K	10	DIN 53752
Thermal conductivity	W/m.K	0.25	DIN 52612
Flame retardancy		A2,s1,d0	EN 13501-1
<b>Coefficient of Friction</b>			
Static		0.33/0.35	
Dynamic		0.23/0.27	
<b>Thicknesses Available</b>			
	mm	5, 6, 10, 15, 20 & 25	

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.