THERMALITE 220 – TH220

WITHOUT ASBESTOS	HIGH MECHANICAL RESISTANCE UNDER HEAT	GOOD THERMAL PERFORMANCES	USE UP TO 280°C

Thermalite 220 is specially designed for thermal insulation of presses working continuously up to 220°C. It is delivered in plane plates rectified 2 sides. It has excellent mechanical and physical properties in compression under high temperature. Color light beige, thicknesses from 5 to 50 mm, formats : please contact us.

Physical Characteristics

Properties	Values	Units	Tests Standards
Density	1,9	g/cm^3	NF T 51063
Water absorption (thickness 10 mm)	0,2	%	NF T 51166
Resistance to chemicals	good		

Mechanical Characteristics

Properties	Values	Units	Tests Standards
Compressive rupture stress ⊥			
At 20°C	500	MPa	NF T 51101
At 150°C	380	MPa	NF T 51101
At 200°C	280	MPa	NF T 51101
Bending rupture stress NF ⊥			
At 20°C	360	MPa	NF T 51101
At 150°C	200	MPa	NF T 51101
At 200°C	130	MPa	NF T 51101
Tensile rupture stress //			
At 20°C	280	MPa	NF T 51034

Thermal Characteristics

Properties	Values	Units	Tests Standards
Continuous limit temperature	220	°C	
Peak limit temperature	320	°C	
Thermal conductivity	0,25	W/m°C	NF X 10021
Coefficient of linear dilatation // to strata*	13 10-6	m/mK	NF T 51221
Coefficient of linear dilatation ⊥ to strata*	57 10-6	m/mK	NF T 51221

*** : average coefficients of linear dilatation between 30°C and 200°C**

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