

THERMALITE 250 – TH250

WITHOUT ASBESTOS	HIGH MECHANICAL RESISTANCE UNDER HEAT	GOOD THERMAL PERFORMANCES	USE UP TO 280°C
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Thermalite 250 is specially designed for thermal insulation of presses working continuously up to 250°C. It is delivered in plane plates rectified 2 sides. Its great mechanical characteristics and good dimensional stability under high thermal stress make it suitable for highest applications. Color light green, thicknesses from 5 to 50 mm, formats : please contact us.

Physical Properties	Values	Units	Tests Standards
Density	2	g/cm ³	ISO 1183/1
Water absorption (thickness 10 mm)	0,15	%	ISO 62/1
Resistance to chemicals	good		

Mechanical Properties	Values	Units	Tests Standards	
Compressive rupture stress \perp At 23°C At 150°C At 200°C At 250°C	600	MPa	ISO 604	
	500	MPa	ISO 604	
	480	MPa	ISO 604	
	450	MPa	ISO 604	
Bending rupture stress NF \perp At 23°C At 150°C At 200°C At 250°C	340	MPa	ISO 178	
	280	MPa	ISO 178	
	260	MPa	ISO 178	
	250	MPa	ISO 178	
Tensile rupture stress //	At 23°C	250	MPa	ISO 527

Thermal Properties	Values	Units	Tests Standards
Continuous limit temperature	250	°C	
Peak limit temperature	400	°C	
Thermal conductivity	0,23	W/m°C	NF X 10021
Coefficient of linear dilatation // to strata*	13 10-6	m/mK	NF T 51221
Coefficient of linear dilatation \perp to strata*	45 10-6	m/mK	NF T 51221

Electrical Properties	Values	Units	Tests Standards
Transverse dielectric rigidity (3mm) C90-H20	11,5	KV/mm	CEI 243-1
Longitudinal dielectric rigidity	80	KV	CEI 243-1
Tracking resistance index	400	V	CEI 112/A
Arc Resistance	180	s	ASTM D495

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

Les valeurs indiquées dans ces fiches techniques sont des valeurs moyennes mesurées lors des tests de contrôle courant. Les données s'appliquent uniquement aux caractéristiques des matériaux et ne peuvent conduire à des engagements commerciaux que sur la base d'un accord express.