

PROPERTIES	%	CS85	MARINITE A	MARINITE C	MARINITE P	MARINITE I&M	TRANSITE HT	TRANSITE 100
Aluminum Contact Boards			A	C				
High Temperature Structural Insulation		CS85			P	I&M		
Low Temperature Industrial Board							HT	100
Available thickness		1/4" x 3"						
Sheet Sizes		ALL SHEETS ARE 4ft. x 8ft.						
Density								
pcf		85	65	54	60	46	100	98
(kg/m)		(1362)	(1042)	(865)	(961)	(737)	(1602)	(1570)
Modulus of Rupture (Flexural strength)								
psi		3000	1400	900	1400	800	2600	3000
kg/cm		(210)	(98)	(63)	(98)	(56)	(183)	(211)
Comprehensive Strength	%							
Ultimate Load, psi		10300	3000	2200			10400	13350
	kg/cm	(210)	(211)	(155)			(731)	(939)
@5% Deformation, psi		6400	2400	1600	3050	1000	6500	
	kg/cm	(450)	(169)	(112)	(214)	(70)	(457)	
Moisture Content	%							
(normal), % of dry weight		1.0	2.5	2.5	3.0	3.0	12	7
Thermal Conductivity								
Mean temperature, BTU-in/ft, hr, °F								
250°F							2.40	2.40
400°F		2.13		.99	1.13	0.81		
600°F				1.00	1.15	0.79		
800°F		1.94	1.92	1.03	1.16	0.81		
1000°F		2.01	1.95	1.06	1.17	0.86		
Mean temperature, (W/mk)								
121°C							0.34	0.34
204°C		0.31		.014	0.16	0.12		
316°C				0.14	0.17	0.11		
427°C		0.28	0.28	0.15	0.17	0.12		
538°C		0.29	0.28	0.15	0.17	0.12		
Shrinkage								
24 hrs @		1600°F	1350°F	1350°F	1200°F	1200°F	600°F	600°F
Linear (Length or width), %		0.24	0.1	2.3	0.6	0.4	0.85	0.14
Thickness, %		2.0	0.8	9.4	2.1	1.4	3.7	0.41
Electrical								
Arc Resistance, seconds, ASTM D 495		304					260	272
Volume Resistivity, ohm-cm, ASTM D 257		4.52 x 10 ¹²			5.0 x 10 ⁸	9.8 x 10 ⁷	7.1 x 10 ¹⁰	1.25 x 10 ¹³
Dielectric Strength, v/mil, ASTM D 495		61			46	45	35	56
Screw Holding Strength								
@ 7/8" penetration, lbs		875	240	220	500	200		
	(k/g)	(397)	(109)	(100)	(227)	(91)		