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Inorganic Paper Composites

CeQUIN⁴ I Paper Composites

CeQuin I composites have replaced asbestos containing composites as high temperature, low cost insulation materials.

CeQUIN I papers are manufactured by Quin-T Corporation and offer a realistic replacement for asbestos papers (Quinorgo and Quinterra).

CeQUIN I papers are a family of inorganic fibers bonded together with organic binders.

Most of the papers are recognized in UL systems.

Composites of CeQUIN I and glass cloth and polyester film are recognized in systems up to 220°C.

CeQUIN I/Paper/Glass Cloth

CeQUIN I	Glass	CeQuin I	Tks. (In.)	Yield		Dielectric Strength Volts	Tensile Strength Lbs./In. Width		Tear Strength Graves Lbs.	
				Lbs./Sq. Yd.	Sq. Yds/Lb		MD	CMD	MD	CMD
.005	.004	---	.009	.42	2.38	1,250	125	100	12	9
.007	.004	---	.011	.52	1.92	1,650	125	100	12	9
.010	.004	---	.014	.66	1.52	3,150	125	100	13	9
.005	.004	.005	.014	.70	1.43	2,600	185	147	14	12
.007	.004	.007	.018	.90	1.11	3,800	198	158	14	15
.010	.004	.010	.024	1.21	.83	5,100	218	158	19	14
Glass	CeQUIN I	Glass	Tks. (In.)	Lbs./Sq. Yd.	Sq. Yds/Lb	Dielectric Strength Volts	Tensile Strength Lbs./In. Width		Tear Strength Graves Lbs.	
.004	.005	.004	.013	.61	1.64	1,500	170	170	14	14
.004	.010	.004	.018	.86	1.16	2,300	218	215	19	17
.004	.015	.004	.023	1.03	.97	3,850	210	210	23	17

NOTE: Other constructions available on request.

CeQUIN I/Paper/Polyester Film

CeQUIN I	Film	CeQUIN I	Tks. (In.)	Yield		Dielectric Strength Volts	Tensile Strength Lbs./In. Width		Tear Strength Graves (Lbs.)	
				Lbs./Sq. Yd.	Sq./ Yds. Lb.		MD	CMD	MD	CMD
.003	.001	---	.004	.19	5.26	4,800	22	25	3	3
.005	.001	---	.006	.31	3.23	5,800	23	25	3	3
.005	.0015	---	.0065	.35	2.86	7,200	33	35	5	4
.005	.005	---	.010	.58	1.72	12,200	76	77	12	15
.010	.001	---	.011	.57	1.75	6,400	32	22	5	4
.010	.003	---	.013	.72	1.39	10,000	60	73	11	11
.007	.005	---	.012	.69	1.45	14,000	100	120	14	15
.003	.001	.003	.007	.33	3.03	5,300	30	28	4	4
.005	.002	.005	.012	.67	1.50	8,200	46	54	9	8
.007	.0015	.007	.0155	.82	1.22	8,000	52	53	9	7
Film	CeQUIN I	Film	Tks. (In.)	Lbs./Sq. Yd.	Sq./ Yds. Lb.	Dielectric Strength Volts	Tensile Strength Lbs./In. Width		Tear Strength Graves (Lbs.)	
.001	.005	.001	.007	.38	2.63	9,500	41	41	6	6
.002	.005	.002	.009	.55	1.82	12,000	80	100	13	13
.001	.010	.001	.012	.66	1.52	9,500	53	57	10	8

NOTE: Other constructions available on request.

Bedford Materials has no control over the final applications of the product by others, therefore, the information contained herein is intended as a general guide to product use and should not be construed as a warranty.

⁴Quin-T registered TM for its ceramic mineral paper