



INSULSTRETCH®

A.C DIELECTRIC DATA

Insulstretch Grade	Caliper	Dielectric Strength - Air			Dielectric Strength - Oil		
		Volts/mil	kV	kV 3 layer	kV/mil	kV	kV 3 layer
22 HCF	0.002	310	0.62	1.6	1.71	3.4	9.2
32 HCF	0.003	240	0.70	1.9	1.77	5.3	14.3
42 HCF	0.003	250	0.75	2.0	1.88	5.6	15.2
35	0.012	100	1.20	3.5	0.77	9.2	24.9
310	0.016	120	1.92	4.5	0.66	10.6	28.5
35H	0.015	90	1.35	3.5	0.69	10.4	27.9
35HC	0.007	135	0.95	2.6	1.11	7.8	21.0
310H	0.020	75	1.50	4.0	0.72	14.4	38.9
310HC	0.013	80	1.00	3.5	0.70	8.8	23.6
55	0.018	95	1.71	4.8	0.68	12.2	33.0
510	0.025	75	1.88	5.4	0.46	11.5	31.1
510C	0.013	75	0.98	5.4	0.51	6.6	17.9
55H	0.021	80	1.68	5.2	0.60	12.6	34.0
55HC	0.010	140	1.40	4.4	0.95	9.5	25.7
510H	0.035	55	1.93	5.3	0.44	15.4	41.6
510HC	0.015	100	1.50	4.1	0.76	11.4	30.8
2-35HM	0.018	65	1.17	3.1	0.65	11.7	31.6
2-35HR	0.018	65	1.17	3.1	0.65	11.7	31.6
510H 2-ply	0.028	100	2.80	5.5	0.80	22.4	60.5
510H 3-ply	0.036	95	3.42	6.6	0.92	33.1	89.4

All breakdown tests done in accordance with ASTM method D149. Air tests done at Standard Conditions of 73° F and 50% R.H. Oil impregnation done in accordance with ASTM D2413 method A.

Rate of rise for A.C. (60Hz) dielectric test - 125 volts per second for air and 500 volts per second for oil impregnated samples using 2" diameter brass electrodes with 1/4" radius edges. The above electrical strengths for Insulstretch insulation paper are nominal values and should not be used for design purposes.