WINDSOR STEVENS

A Div. of Specialty Mfg LLC

Kraft Insulation

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General Description

Kraft Insulation is produced in multi-layer form on a modified wet machine from an electrical grade, unbleached Kraft wood pulp. The dry finished sheets contain no sizing, coloring or other materials which would contaminate natural or synthetic impregnating oils.

Kraft Insulation is used as transformer layer insulation, capacitor can liner and in numerous other applications where the ultimate in electrical and physical strengths are required.

Kraft Insulation is available in sheets, strips, mill rolls and slit rolls in thicknesses from .007" to .062". Above .062" to .250" is available only in sheets and strips. Above .040" thickness Kraft is laminated from dry sheets with a polyvinyl-acetate-polyvinyl alcohol formulation having good electrical properties.

PHYSICAL, ELECTRICAL AND CHEMICAL PROPERTIES:

Fiber Content	100% Unbleached Kraft Wood Pulp
Ash Content (Max.)	.75%
pH Water Extract	6.0 - 7.5
Moisture Content	7.0% Avg.
Chlorides	8 - 16 ppm
Water Extract Conductivity Microhms/cm	7.5 Avg.

Standard Thick - ness, ± 7%	Inches	.007	.010	.015	.020	.025	.031	.040
Apparent Density, (Air Dry), ± 7%	g/cc	1.00	1.00	1.05	1.05	1.05	1.05	1.05
Weight, (Air Dry), ± 7%	lbs./sq. ft.	.036	.052	.078	.109	.136	.169	.216
Tensile Strength, (Avg.)	MD lbs./ In.	135	195	340	500	575	700	800
	CMD lbs./ In.	25	50	75	85	115	140	160
Burst Strength, (Avg.)	lbs./sq. in.	120	185	320	440	510	580	625
Tear Strength, (Avg.) grams	MD	180	270	475	650	875	1000	
	CMD	300	450	800	975	1100	1200	
Dielectric Strength, (Avg.) grams AC, 25˚C (Avg.)	volts/mil	250	250	250	250	250	250	250

"Values shown are typical, are not guaranteed, nor to be used for specifications without approval."

NOTICE: The above information and data are believed to be accurate and reliable. Windsor-Stevens assumes no responsibility for end-use applications and no performance warranty is expressed or implied.

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