



# WINDSOR STEVENS

A Div. of Specialty Mfg LLC

## Hitex

### General Description

Hitex is a dense, rigid material produced in multi-ply construction from unbleached Kraft pulp. Hitex has excellent dielectric and mechanical strengths, low water absorption and is free of conducting particles, chemical impurities and foreign matter. Its chemical cleanliness accounts for its excellent aging characteristics.

Hitex can be used in numerous coil, transformer, motor, electrical hardware and electronic applications where excellent dielectric and physical strengths are required. It is not advocated for use with dielectric liquids.

Hitex is available in sheets, strips, mill rolls and slit rolls in thicknesses from .007" to .062". Above .062" available only in sheets and strips.

### 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.

Standard Thickness, ± 7%	Inches	.007	.010	.015	.020	.025	.031
Apparent Density, (Air Dry), ± 7%	g/cc	1.00	1.00	1.05	1.05	1.05	1.05
Weight, (Air Dry), ± 7%	lbs./sq. ft.	.038	.054	.082	.109	.136	.169
Tensile Strength, (Avg.)	MD lbs./In.	145	200	325	425	540	660
	CMD lbs./In.	35	40	60	75	100	110
Burst Strength, (Avg.)	lbs./sq. in.	110	150	270	380	465	550
Tear Strength, (Avg.) grams	MD	180	225	450	615	830	950
	CMD	290	425	740	900	1000	1000+
Dielectric Strength, (Avg.) grams AC, 25°C (Avg.)	volts/mil	225	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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