## BASE INSULATIONS - FLEXIBLE INSULATIONS

#### Step # 2

#### Insulating The Core.

Decide what temperature class

insulation system you want to provide. Choose an insulation that provides the correct temperature rating. Pick a thickness that provides the most tear resistance yet



provides the most tear resistance yet leaving enough room for the winding to fit easily in the slot.

### Available in SHEETS, ROLLS & CUFFS

**Sheets:** Handy 24" X 36" sheets are a convenient way of using flexible insulation. Sheets allow you to get only the amount of insulation you need for the job. 36" x 36" are also available. Contact your Essex Brownell representative for price and availability.

**Rolls:** Rolls are typically 36" wide x 36 yds long. Rolls are an economical method of purchasing flexible insulation as there is less waste involved with using rolls. **Cuffs:** Cuffed coils offer the ultimate in time saving advantages when you are rewinding a number of stators with the same stack length. Precut to slot length, cuffed coils only need to be cut to width. A 3/16" cuff on the end of the slot liner helps hold it in place and adds mechanical strength to resist tearing.



## NOMEX\* 410 HERMETIC APPROVED CLASS R (220°C)

NOMEX\* 410 is the original form of NOMEX\* paper. It is a calendered product offering high dielectric strength, mechanical toughness, flexibility and resilience.

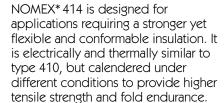
Mil spec MIL-I-24204-A. UL listed.

NOMINAL THICKNESS	DIELECTRIC STRENGTH	TEAR RESISTANCE		SHEET	ROLLS
(IN.)	VOLTS/MIL	MD1	XD1	24X36 INCHES	36 IN. X 36 YDS
0.005	635	7.3#	3.6#	NX-410-005-24X36	NX-410-005-36IN
0.007	845	11#	5.6#	NX-410-007-24X36	NX-410-007-36IN
0.010	800	16#	9.2#	NX-410-010-24X36	NX-410-010-36IN
0.012	840	21#	11.4#	NX-410-012-24X36	NX-410-012-36IN
0.015	810	26#	16#	NX-410-015-24X36	NX-410-015-36IN
0.020	790	36.4#	24.1#	NX-410-020-24X36	NX-410-020-36IN
0.030	695	54.1#	43#	NX-410-030-24X36	NX-410-030-36IN

MD1 = Machine Direction XD1 = Cross Machine Direction.

Other Sheet Sizes And Slit Rolls Are Available For All Flexible Insulation. Call for Price And Availability.

# NOMEX\* 414 HERMETIC APPROVED CLASS R (220°C)



Mil spec MIL-I-24204-A. UL listed.

	NOMINAL THICKNESS (IN.)	DIELECTRIC STRENGTH VOLTS/MIL	TE/ RESIST MD1		SHEET 24X36 INCHES	ROLLS 36 IN. X 36 YDS	CUFFED COIL
Г	0.007	710	10.8#	5#	NX-414-007-24X36	NX-414-007-36IN	
	0.010	755	16#	7.7#	NX-414-010-24X36	NX-414-010-36IN	ANC-010-414-***
	0.012	755	21#	9.4#	NX-414-012-24X36	NX-414-012-36IN	
	0.015	740	25#	12.5#	NX-414-015-24X36	NX-414-015-36IN	ANC-015-414-***

\*\*\* INSERT THE WIDTH BETWEEN CUFF IN 1/8" INCREMENTS (i.e. ANC-010-414-8-1/2).

010 Cuffed Coils are 1500 inches long .015 Cuffed Coils are 1000 inches long

MD1 = Machine Direction XD1 = Cross Machine Direction

Other Sheet Sizes And Slit Rolls Are Available For All Flexible Insulation. Call for Price And Availability

## NOMEX\* BOND HERMETIC APPROVED CLASS H (180°C)

NOMEX\* bond is a combination of type 416 NOMEX\* bonded on both sides of polyester film. It takes advantage of the excellent thermal aging properties of NOMEX\* for long term heat resistance, while utilizing the tear resistance of polyester film. UL listed.

NOMINAL THICKNESS (IN.)	DIELECTRIC STRENGTH VOLTS	TE/ RESIST MD1		SHEET 24X36 INCHES	ROLLS 36 IN. X 36 YDS
0.010	11,600	11#	10#	NB-3-3-3-24X36SH	NB-3-3-3-36IN
0.012	12,600	14#	12#	NB-3-5-3-24X36SH	NB-3-5-3-36IN
0.0135	15,000	16#	13#	NB-5-3-5-24X36SH	NB-5-3-5-36IN
0.014	16,000	16#	22#	NB-3-7.5-3-24X36SH	NB-3-7.5-3-36IN
0.0155	17,000	16#	22#	NB-5-5-5-24X36SH	NB-5-5-5-36IN
0.020	21,000	57#	47#	NB-5-10-5-24X36SH	NB-5-10-5-36IN

MD1 = Machine Direction XD1 = Cross Machine Direction

Other Sheet Sizes And Slit Rolls Are Available For All Flexible Insulation. Call for Price And Availability.



Redford