



# PRODUCT NEWS

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## NOMEX® 410 INSULATING PAPER FROM AUBURN

**CLASS:** 220 U.L.  
**FILE NO.:** E34739  
**MIL SPEC.:** MIL-I-24204  
 MIL-E-917D  
 NAVSHIPNOTE 963D

**HERMETIC APPROVED:**  
 Yes

### GENERAL INFORMATION:

Nomex® 410 is Dupont's high temperature Aramid paper which is capable of operating at Class C (220°C) temperatures. Nomex® has an unusual combination of excellent electrical, thermal and mechanical properties.

### ORDERING INFORMATION:

Nomex® 410 is available in all of the thicknesses indicated here, in either 36" x 24" or 36" x 36" sheets, or 36" wide continuous length rolls. Special slit widths are also available upon request.

### CUSTOM SHAPES:

Auburn manufactures insulators from Nomex® 410 in accordance with your designs and specifications. Custom parts can be diecut, scored, laminated, ident stamped, and affixed with pressure sensitive adhesives. Call now for more information, material samples or prompt quotations.

### APPLICATIONS:

Motors - slot liners, wedges, seperators;  
 Transformers - layer insulation and phase insulation

### TYPICAL PROPERTY VALUES

| Thickness Inches | Dielectric Breakdown (Volts) | Tensile Strength (Lbs./In.) |       | Tear Strength (Grams) |       |
|------------------|------------------------------|-----------------------------|-------|-----------------------|-------|
|                  |                              | Machine                     | Cross | Machine               | Cross |
| .002             | 1060                         | 16                          | 8     | 89                    | 150   |
| .003             | 1770                         | 27                          | 13    | 130                   | 230   |
| .005             | 3450                         | 63                          | 30    | 270                   | 450   |
| .007             | 5810                         | 100                         | 54    | 430                   | 630   |
| .010             | 8500                         | 120                         | 72    | 630                   | 930   |
| .012             | 10320                        | 170                         | 90    | 740                   | 1100  |
| .015             | 17200                        | 200                         | 110   | 910                   | 1300  |
| .020             | 15400                        | 300                         | 150   | 1300                  | 1900  |
| .024             | 18000                        | 360                         | 220   | -                     | -     |
| .030             | 21000                        | 450                         | 270   | -                     | -     |

Please Note: This above information contains typical values and should not be used for writing specifications.