

TIN RE: ALBRAMS November 1992

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S. C. K. K. K. K. K.



Westinghouse Electric Corporation
Corporate Standards - R & D Center

Dec 5, 1972

(Federal CODE IDENT NO. 79500)

P D Spec 44641AR Rev. 2 C

ARBESTOS-WOOD FLOUR FILLED PHENOLIC MOLDED COMPOSITION

1. This specification covers black, asbestos fiber and wood flour reinforced, thermoset phenolic molded composition.
2. No change shall be made in the quality of successive shipments of material furnished under this specification without first obtaining the approval of the purchaser.

MANUFACTURE

3. MANUFACTURE: (3.1) Capable of withstanding continuous service at 149 C (300 F).
(3.2) (For Beaver brand only) Made from any one of molding mixtures designated as Durez 1308, Flow 6, 8, 10 or 12; General Electric 12985, Flow 10, 12 or 14; or Bakelite BNC-0500, Flow 9, 12, 15 or 18.
(3.3) (For Sharon Works only) Made from molding mixture designated as Durez 1308, Flow 12.

4. QUALITY: Smooth appearance, and be uniform and free from cracks, gaps, holes, patches, scratches, wrinkles, chipped edges, dents, blisters, resin pockets, soft spots and other injurious imperfections.

5. COLOR: Black.

PHYSICAL PROPERTIES AND TESTS

6. PHYSICAL PROPERTIES AND TESTS: Except as otherwise specified, all properties shall be determined at 25 C (77 F).

		ASTM
Specific Gravity ($\pm 5\%$)	1.63	D-792
Flexural Strength, Psi, Min	9000	D-790
Compressive Strength, Psi, Min	25000	D-695
Tensile Strength, Psi, Min	5500	D-638
Modulus of Elasticity (Tensile), Min	1.5×10^6	D-638
Isod Impact Strength, Ft Lb/Inch Notch, Min	0.26	D-256
Rockwell "H" Hardness, Min	112	D-785
Water Absorption, 24 hr, Per cent, Max	0.40	D-570
Molding Shrinkage, Inch/Inch, Avg	0.004	D-955
Heat Distortion, 264 Psi, Min	163 C (325 F)	D-648
Dielectric Strength, Short Time, VPH, Min	300	D-149
Dielectric Strength, Step by Step, VPH, Min	270	D-149
Dielectric Constant, Max 60 Hz	7.0	D-150
1 KHz	6.0	D-150
1 MHz	4.9	D-150
Power Factor, Per Cent, Max, 60 Hz	15	D-150
1 KHz	6	D-150
1 MHz	3.5	D-150
Volume Resistivity, Ohm cm, Min	1×10^{12}	D-257

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PLAINTIFF'S
EXHIBIT

WH-514

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DIMENSIONS

7. DIMENSIONS: Dimensions and dimensional tolerances shall conform to those specified on the drawing, unless otherwise specified.

TEST REPORT

8. TEST REPORT: (For Athens (Ga.), Jefferson City (Mo.), Muncie, Sharon and South Boston (Va.) Works only) At time of delivery the manufacturer shall submit to the Purchasing Department originating the purchase order, three copies of a certified test report (signed by supplier) verifying conformance with this specification. The test report shall include specification limits and test results (one sample per every 25 terminal boards produced, or fraction thereof; the particular terminal boards tested to be identified on both the board itself and on the test report) for 60 Hz Power Factor.

PACKING AND MARKING

9. PACKING: Properly packed to prevent damage and loss during shipment.

10. MARKING: Each package plainly marked as follows: Purchase Order Number; Molded Composition, P D Spec Number and Rev Letter; Style (or Part) Number; Number of Pieces; Gross, Tare and Net Weight; Name of Manufacturer.