

SPEC DATA

1. PRODUCT NAME

Fire-Retardant Laminated Plastic
Westinghouse Fire-Retardant
Micarta

2. MANUFACTURER

Westinghouse Elec. Corp.
Micarta Division
304 Hoover Street
Hampton, S. C. 29924
Phone: (803) 943-2311

3. PRODUCT DESCRIPTION

Basic Use: Fire-Retardant Micarta is recommended for wall surfaces in schools, churches, hospitals, and other commercial and industrial buildings requiring a Class I fire-retardant rating. Widely used as interior surfacing for ships, cockpits, hospitals, offshore drilling rigs and office buildings.

Limitations: Fire-Retardant Micarta should not be bonded to concrete or to cores with low internal-bond strength such as plaster board, gypsum board, plaster and similar materials. It should not be used in areas exposed to temperatures above 125° F for extended periods of time (2 weeks) or for exterior applications.

Composition and Materials: Fire-Retardant Micarta consists of a melamine impregnated decorative print sheet and translucent overlay sheet, with a thermoset resin impregnated asbestos paper core consolidated under heat and pressure to form a rigid sheet.

Colors: Fire-Retardant Micarta is available with all classifications in selected colors, patterns, wood grains, and finishes. Contact nearest sales office for detailed information.

Standard widths are 24, 30, 36, and 48 inches. **Standard lengths** are 60, 72, 96, 120, and 144 inches.

Applicable Standards: Meets or exceeds National Electrical Manufacturers Association (NEMA) Standard LD 1-1971, for laminated thermosetting decorative sheets.

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Approved by the United States Coast Guard for maritime applications in accord with Coast Guard regulations.

Classified by Underwriters Laboratories Inc.

U. L. Labels: All U. L. Labels are kept by the Assistant to the Quality Control Supervisor, and each order is recorded. The Labels can be applied to the crates only by the Quality Control Supervisor or his Assistant.

Resins and Treated Paper: All production batches of resin are checked by Quality Control. Inspectors check treated paper during weaving every thirty minutes for resin content and resin flow.

Pattern Availability: Because of space and on certain patterns being restricted by Underwriter's Laboratories, approved patterns are listed by Engineering Department for Quality Control and Marketing. This list is up-dated once a year.

4. TECHNICAL DATA

See Table 1 "Micarta Typical Test Values" for physical properties of Micarta compared to requirements of NEMA standards.

Table 1 - Fire-Retardant Micarta Typical Test Values

Property	NEMA STANDARDS		Micarta® Test Values	NEMA Test Method
	General Purpose	Performance	Fire-Retardant	AN Types
Flexural Strength Modulus, face in tension Modulus, face in compression	500 0.08	400 0.08	650 0.05	1-2.03
Impact Resistance Notched Izod	No effect	Slight denting	No effect	1-2.02
High Temperature Resistance	Slight denting	Slight denting	Slight denting	1-2.03
Cigarette Burn Resistance, Seconds	No damage	75 maximum	94	1-2.04
Slam Resistance Requests 1-20 Requests 21-25	No effect Superficial stains	No effect Superficial stains	No effect Slight stain	1-2.05
Color Fastness	Slight change	Slight change	No change	1-2.06
Moisture Resistance Weight increase, % Thickness increase, %	2-10 2-10	12 max. 12 max.	3.5 3.2	1-2.07
Dimensional Stability With Grain, % Cross Grain, %	0.5 max. 0.5 max.	1.5 max. 1.5 max.	0.3 0.6	1-2.08
Flexural Strength Modulus, face in tension Modulus, face in compression	12,000 800,000 18,000	12,000 800,000 15,000	21,100 1,700,000 16,100	1-2.09
Formability, inches		1/4 radius		1-2.11

Additional property information for special applications available from Westinghouse.

PLASTIC LAMINATES

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