

ARANOLIC 2200 PHENOLIC LAMINATE SHEET

High strength canvas/linen based industrial laminate dielectric sheet

Applications & preparations:

Aranolic 2200 is produced with a fine weave of cotton cloth fabrics which are mixed with phenolic resins to provide better machinability, mechanical and electrical properties. The sheets are produced by polymerization process which cannot be soften again. So, these materials are also called Thermosets. Variety of resin types and cloth materials can be used to manufacture thermoset laminates with a range of mechanical, thermal and electrical properties.



This is highly recommended for Power Electrical Industry for high voltage applications at power frequencies. High electric strength under oil, air and normal humidity. Sheets are supplied in natural color, but can supplied in black color upon

Technical Properties

Operating Conditions of Aranolic-2200

Maximum Temperature (°C/°F)

Color: Dark Brown, Black

125/257

Table 1. Physical Properties of Aranolic 2200

Specific Gravity	ASTM D 792	1.37 g/cc
Water Absorption (max)	ASTM D 570 (24 hrs)	2.5%
Hardness Rockwell M	ASTM D 785	100
Compressive Strength	ASTM D 695	37000 psi
Tensile Strength	ASTM D 638 (LW)	11000 psi
Flexural Strength	ASTM D 790	17500 psi
IZOD Impact Strength LW	ASTM D 256	1.7 ft-lb/in
Dielectric Strength (3mm Thk)	ASTM D 149	550 volts/mil
Arc Resistance (sec)	ASTM D 495	15

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice.

Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.