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Date Generated: Tuesday 24th of November 2026

B63 Product Data Sheet

B63 Composite Phenolic Paper with 1 Side Dissipative Surface

Material Details

Grade:	B63
Description:	Phenolic Paper. Phenolic Paper core. Static dissipative 1 side
Comments:	The Technolaque SD Range is a breakthrough in static dissipation. Developed by the Attwater Group, originally for the A.T.E. market, it incorporates a static-dissipative thermosetting surface, which is less than 50 microns thick. This special surface can be integrally press bonded onto a range of sheet substrates including Phenolic paper and epoxy glass during the manufacturing process, providing permanent static dissipative properties on one or both surfaces. As the Static-dissipative layer is not dependant upon additives bleeding to the surface, adhesive bonding of the manufactured components is possible. Also, the insulation properties of the core (below the static dissipative layer) are not affected permitting optimum insulation properties between conducting pins after suitable machining of the surface. B63 Phenolic paper / Epoxy glass composite core with Static dissipative surface on one side.
Body Colour:	Black
Cover Colour:	Black (1 Side)
Finish:	Satin/Glossy
Size:	1220 x 1220 Thickness Range: 1.6 - 50.0

Typical Applications

- Conveyor Trays
- Jigs and Fixtures
- Static Sensitive Applications

General Properties

Property	Unit of measure	Typical Value
Density	g/cm3	1.35

¥ Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

Property	Unit of measure	Typical Value
IR (24hrs Water Immersed)	G Ω	0.1 (Core)
IR (Dry)	G Ω	0.1 (Core)
Surface Resistivity	Ω 2	10^5 - 10^10

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength at 150°C	MPa	190
Tensile Strength	MPa	120

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	100
Thermal Rating Intermittent	°C	120

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user’s responsibility to ensure suitability for the intended end use.

Source: https://www.attwater.com/products/b63/