



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

ARBORON

Item:	Arboron (High Arc Resistant Panel Board)		
Description:	Arboron is a cellulose based quality laminate with thermosetting resins, consolidated under high pressure and temperature into dense, uniform sheets with good electrical and mechanical properties. The melamine surface of Arboron provides excellent chemical and abrasion resistance. It has a very high strength to weight ratio (one-half of the weight of aluminum) and is relatively easy to fabricate.		
Availability:	Laminate Sheets:		English Units (in)
		Thickness:	0.125 / 0.188 / 0.25 / 0.313, 0.375 / 0.5 / 0.75, 1
	Sheet Size:	48 x 96 / 60 x 120 / 60 x 144	SI Units (mm/cm)
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.	

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Standard Color	--	--	Black
Density	--	lbs./in ³ (g/cc)	0.05 (1.38)
Water Absorption (0.125")	ASTM D-570	%	0.9
Tensile Strength	ASTM D-638	psi (MPa)	22,000 (152)
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	45,000 (310)
Flexural Strength	ASTM D-790	psi (MPa)	30,000 (207)
Bond Strength	ASTM D-732	psi (MPa)	2,000 (13.79)
Relative Temperature Index	--	°C	95
Flammability Rating (0.240)	UL94	ft.-lbs./in.	V-0
IZOD Impact Strength, Edgewise	ASTM D-256	ft.-lbs./in.	1.0
Arc Resistance	ASTM D-495	Seconds	88
Dissipation Factor (0.125")	ASTM D-150	--	0.0827
Dielectric Strength (0.125")	ASTM D-149	V/mil	439
Volume Resistivity (0.125")	ASTM D-257	Ohms-cm	5.7 x 10 ¹¹
Comparative Track Index	UL	V	600
High Ampere Arc Ignition	UL	--	200+
Hot Wire Ignition	UL	Seconds	107

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.