



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	S2S Hardboard		
Description:	S2S Hardboard from The Gund Company is a durable sheet material comprised of 100% virgin maple, oak, birch, and aspen wood fibres. It has a smooth surface on both sides and can be sawn, machined, and sheared easily. It is a suitable replacement for pressboard as a packing or wedging material in oil filled distribution transformers.		
Availability:		English Units (in)	SI Units (mm/cm)
	Thickness:	0.118, 0.187, 0.22	3, 4.75, 5.6 (mm)
	Sheet Size:	48 x 96	122 x 244 (cm)
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers	

Key Characteristics		Test Method	Units English (SI)	Typical Values English (SI)
Density		IEC 60641	lb/in <sup>3</sup> (g/cm <sup>3</sup> )	0.035 (.97)
Flexural Strength	Length-Wise	ASTM D-790	ksi (MPa)	6.2 (43)
	Cross-Wise	ASTM D-790	ksi (MPa)	6.9 (48)
Impact Strength	Length-Wise	ASTM D-256	ft-lb/in	1.60
	Cross-Wise	ASTM D-256	ft-lb/in	1.70
Tensile Strength	Length-Wise	ASTM D-638	ksi (MPa)	6.60 (45)
	Cross-Wise	ASTM D-638	ksi (MPa)	11.80 (81)
Punch Type Shear		ASTM D-732	ksi (MPa)	6.40 (44)
Compressive Strength		ASTM D-895	ksi (MPa)	12.70 (88)
Dielectric Strength		ASTM D-149	V/mil (kV/mm)	362 (0.5)
Breakdown Voltage		ASTM D-149	kV	44
Moisture Content		IEC 60641	%	3 - 5
Permittivity		ASTM D-150	N/A	3.86
Dissipation Factor		ASTM D-150	N/A	0.0352

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 use contemplated, 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. TGCRO318