



# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

## S2S Hardboard

<b>Item:</b>	<b>S2S Hardboard</b>		
<b>Description:</b>	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.		
<b>Availability:</b>		English Units (in)	SI Units (mm/cm)
	<b>Thickness:</b>	0.118, 0.187, 0.22	3, 4.75, 5.6 mm
	<b>Sheet Size:</b>	48 x 96	122 x 244 cm
	<b>Fabricated Parts:</b>	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
<b>Density</b>		IEC 60641	lb/in <sup>3</sup> (g/cm)	0.035 (.97)
<b>Flexural Strength</b>	<b>Length-Wise</b>	ASTM D790	ksi (MPa)	6.2 (43)
	<b>Cross-Wise</b>	ASTM D790	ksi (MPa)	6.9 (48)
<b>Impact Strength</b>	<b>Length-Wise</b>	ASTM D256	ft-lb/in	1.60
	<b>Cross-Wise</b>	ASTM D256	ft-lb/in	1.70
<b>Tensile Strength</b>	<b>Length-Wise</b>	ASTM D638	ksi (MPa)	6.60 (45)
	<b>Cross-Wise</b>	ASTM D638	ksi (MPa)	11.80 (81)
<b>Punch Type Shear</b>		ASTM D732	ksi (MPa)	6.40 (44)
<b>Compressive Strength</b>		ASTM D895	ksi (MPa)	12.70 (88)
<b>Dielectric Strength</b>		ASTM D149	V/mil (kV/mm)	362 (14)
<b>Breakdown Voltage</b>		ASTM D149	kV	44
<b>Moisture Content</b>		IEC 60641	%	3 - 5
<b>Permittivity</b>		ASTM D150	N/A	3.86
<b>Dissipation Factor</b>		ASTM D150	N/A	0.0352

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.