

TECHNICAL DATA SHEET

LAMINATED DENSIFIED WOOD

EFFECTIVE DATE 发布日期	March 8, 2020
REVISED DATE 修改日期	August 11, 2021
TRADE NAME 产品名称	TRANSFORMER WOOD / Laminated Densified Wood
REFERENCE STANDARD 参考标准	IEC 61061-3-2:2002 GB/T 20634.3-20081 LYT 1278 - 2011

SECTION I - MISC CHARACTERISTICS 第1部分-主要特点				
DESIGNATION 标识	CODE	C2B DLW101	C3B DLW201	C4B DLW301
DENSITY 密度	g/cm ³	0.90 - 1.10	1.10 - 1.20	1.20 - 1.30
WATER ABSORPTION (5MM) 吸水性	%	≤ 8	≤ 6	≤ 6
OIL ABSORPTION 吸油性	%	≥ 15	≥ 10	≥ 5
THERMAL CHARACTERISTICS 耐热性能	°C	100	100	100
DRYING AND IMPREGNATING LIMIT 烘干及浸渍限制	°C	130	120	100
CHEMICAL FAMILY 化学品类	Resin	Phenolic	Phenolic	Phenolic
REINFORCEMENT TYPE 增强材料	WoodVeer	Birch	Birch	Birch

SECTION II - MECHANICAL CHARACTERISTICS 第2部分-机械性能					
FLEXURAL STRENGTH 弯曲强度	⊥	MPa	≥ 70	≥ 90	≥ 110
FLEXURAL MODULUS 弯曲弹性模量	⊥	MPa	≥ 6	≥ 8	≥ 10
COMPRESSIVE STRENGTH 压缩强度	⊥ //	MPa	≥ 100 ≥ 50	≥ 100 ≥ 50	≥ 120 ≥ 55

SECTION III- ELECTRICAL DATA 第3部分-电气性能					
ELECTRICAL STRENGTH (90°C, Oil) 垂直层向电气强度	⊥	kV/3 mm	≥ 30	≥ 35	≥ 45
ELECTRICAL STRENGTH (90°C, Oil) 平行层向电气强度	//	kV	≥ 50	≥ 60	≥ 80
DISSIPATION FACTOR (50HZ, 25°C) 介电损耗系数		tanδ	0.01	0.01	0.01



TECHNICAL DATA SHEET

LAMINATED DENSIFIED WOOD

SECTION IV- SIZE AVAILABLE

第4部分- 尺寸

THICKNESS (MM)	1000*2000 (MM)	1220*2440 (MM)	2000x4000 (MM)
8.0 - 15.0	√	-	-
16.0 - 50.0	√	√	√
55.0 - 150.0	-	-	√

SECTION V- TOLERANCE DATA

第5部分- 公差

Thickness in Length & Width is within ±5 MM

THICKNESS (MM)	TOLERANCE (MM)	THICKNESS (MM)	TOLERANCE (MM)
8.0 - 10.0	± 1.40	31.0 - 40.0	± 2.5
12.0 - 15.0	± 1.50	41.0 - 60.0	± 3.0
16.0 - 20.0	± 1.80	61.0 - 100.0	± 4.0
21.0 - 30.0	± 2.0	101.0 - 150.0	± 5.0

SECTION VI- FLATNESS

第6部分- 板面平直度

Surface without machining

THICKNESS (MM)	1000MM RULER (MM)	THICKNESS (MM)	1000MM RULER (MM)
8.0 - 15.0	4.0	26.0 - 60.0	2.5
16.0 - 25.0	3.0	65.0 - 150.0	2.0

SECTION VII - REACTIVITY DATA

第7部分- 反应相关数据

CHEMICAL STABILITY

化学稳定性

Stable under normal conditions.

正常情况下稳定

INCOMPATIBLE MATERIALS

不相容物质

Exposure to strong acids or bases will cause damage

接触强酸或强碱会造成损坏

STORAGE AND USE EFFECTS

储存与使用影响

Conventional performance remains stable within 1 year.

Long-term exposure to sunlight and high humidity will cause performance degradation.

性能在1年内保持稳定，长期暴露在阳光下，和高湿环境中，会性能的降低

OVER EXPOSURE EFFECTS

过量暴露危害

Wood dust and flour from machining can irritation to eyes, nose, throat and lungs. Prolonged inhalation of dust can produce lung disease.

加工中会产生的木屑与木粉会刺激眼睛、鼻子、喉咙和肺。长期吸入粉尘可致肺疾病。

Notes:

备注:

All information recommendations and suggestions appearing herein concerning this product are average values ascertained at room temperature by regularly statistic analyses, it is provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sales. The values here are not legally binding or fully comply with standards so that we cannot accept any responsibility for the accuracy. In addition, the data mentioned in above table are average values ascertained by current statistical returns and tests.

此处出现的有关此产品的所有信息推荐和建议均基于室温下常规静态测试分析获得的数据, 它仅是提供数据, 除非在销售合同中另有明确协议, 才具有约束力。以上数据并非完全与标准一致。



Powered Green & Reliability

ZTELEC ELECTRIC TECHNOLOGY(ZHENGZHOU)CO.,LTD
 #14 ZTAERO BUILDING, No.273, 3rd WEST RING RD, ZHENGZHOU,
 HENAN, CHINA (451000)
www.ztaero.com
www.ztelegroup.com

