

WEIDMANN

QUALITY CERTIFICATE # 178

Description of goods

TRANSFORMER BOARD LD (GRADE B)

Date of manufacture 04.2023

Date of shipment _____

Lot №	150	
Thickness, mm	1,0	
Technical data: GOST 4194-88		
Index	Unit	Average data on a lot
1 Thickness	mm	1,03
2 Apparent density	g/cm ³	1,13
3 Tensile strength	MPa	123
- in machine direction		
- in cross machine direction		90
4 Oil absorption	%	15
5 Ash content	%	0,2
6 Shrinkage	%	0,5
- in machine direction		
- in cross direction		
- thickness		2,6
7 Compressibility	%	8,4
8 Electric strength in oil	kV/mm	61
9 Moisture content	%	6,2
10 Conductivity of aqueous extract (1:50)	μS/cm	7
Conductivity of aqueous extract (1:20)		15

The quality of the product meets the requirements GOST 4194-88

Products manufactured under controlled conditions established ISM certified (ISO 9001, ISO 14001, ISO 45001) Certification # 4410019320266, # 4410419320266, # 4412619320266.

**Olha
Yakymenko**

Digitally signed by: Olha Yakymenko
DN: CN = Olha Yakymenko email =
olha.yakymenko@weidmann-group.
com OU = _WICOR, Users,
UKRML_WMPM
Date: 2023.06.15 10:16:55 +02'00'

PrJSC "Weidmann-MPM"
66 Prykhodko Street, 11602, Malyn, Zhytomyr region, Ukraine
T +380 4133 67 222, F+380 4133 53 343, www.weidmann-electrical.com

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QUALITY CERTIFICATE # 302

Description of goods

TRANSFORMER BOARD LD (GRADE B)

Date of manufacture 06.2023

Date of shipment _____

Lot №	267	
Thickness, mm	1,5	
Technical data: GOST 4194-88		
Index	Unit	Average data on a lot
1 Thickness	mm	1,51
2 Apparent density	g/cm ³	1,13
3 Tensile strength	MPa	108
- in machine direction		
- in cross machine direction		80
4 Oil absorption	%	15
5 Ash content	%	0,2
6 Shrinkage	%	0,6
- in machine direction		
- in cross direction		
- thickness		3,6
7 Compressibility	%	6,1
8 Electric strength in oil	kV/mm	54
9 Moisture content	%	5,5
10 Conductivity of aqueous extract (1:50)	μS/cm	12
Conductivity of aqueous extract (1:20)		24

The quality of the product meets the requirements GOST 4194-88

Products manufactured under controlled conditions established ISM certified (ISO 9001, ISO 14001, ISO 45001) Certification # 4410019320266, # 4410419320266, # 4412619320266.

**Olha
Yakymenko**

Digitally signed by: Olha Yakymenko

DN: CN = Olha Yakymenko email =

olha.yakymenko@weidmann-group.

com OU = _WICOR, Users,

UKRML_WMPM

Date: 2023.06.15 10:23:05 +02'00'

PrJSC "Weidmann-MPM"

66 Prykhodko Street, 11602, Malyn, Zhytomyr region, Ukraine

T +380 4133 67 222, F+380 4133 53 343, www.weidmann-electrical.com

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QUALITY CERTIFICATE # 299

Description of goods

TRANSFORMER BOARD LD (GRADE B)

Date of manufacture 05.2023

Date of shipment _____

Lot №	266	
Thickness, mm	2,0	
Technical data: GOST 4194-88		
Index	Unit	Average data on a lot
1 Thickness	mm	1,97
2 Apparent density	g/cm ³	1,13
3 Tensile strength	MPa	117
- in machine direction		
- in cross machine direction		88
4 Oil absorption	%	17
5 Ash content	%	0,2
6 Shrinkage	%	0,3
- in machine direction		
- in cross direction		
- thickness		2,4
7 Compressibility	%	5,3
8 Electric strength in oil	kV/mm	51
9 Moisture content	%	4,3
10 Conductivity of aqueous extract (1:50)	μS/cm	13
Conductivity of aqueous extract (1:20)		33

The quality of the product meets the requirements GOST 4194-88
Products manufactured under controlled conditions established ISM certified (ISO 9001, ISO 14001, ISO 45001) Certification # 4410019320266, # 4410419320266, # 4412619320266.

Olha Yakymenko

Digitally signed by: Olha Yakymenko
DN: CN = Olha Yakymenko email =
olha.yakymenko@weidmann-group.
com OU = _WICOR, Users,
UKRML_WMPPM
Date: 2023.06.15 10:19:53 +02'00'

PrJSC "Weidmann-MPM"
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QUALITY CERTIFICATE # 25

Description of goods

Cable paper K – 120

Date of manufacture 02.2023

Date of shipment

Lot №		27
Technical data:		
Index	Norm	Average data on a lot
1 Thickness, mkm	120±7	118
2 Apparent density, g/cm ³	0,78±0,05	0,83
3 Tensile force, N, minimum		
- in machine direction	128	179
- in cross direction	59	86
4 Elongation at break, %, minimum		
- in machine direction	2,0	3,3
- in cross direction	4,5	6,4
5 Air permeability, cm ³ /min, maximum	40	20
6 Ash, %, maximum	1,0	0,3
7 Conductivity of aqueous extract, mkS/cm, maximum		
- 1:50	60	16
- 1:20	120	40
8 pH of aqueous extract, pH units	7,0 - 9,0	7,0
9 Moisture content, %, maximum	8	4

Products manufactured under controlled conditions established ISM certified (ISO 9001, ISO 14001, ISO 45001) Certification # 4410019320266, # 4410419320266, # 4412619320266.

Laboratory engineer	Lida Kyrychenko Digitally signed by: Lida Kyrychenko DN: CN = Lida Kyrychenko email = lida.kyrychenko@weidmann-group.com OU = _WICOR, Users, UKRML_WMPPM Date: 2023.03.02 13:35:07 +02'00'
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PrJSC "Weidmann-MPM"
66 Prykhodko Street. 11602, Malyn. Zhytomyr region. Ukraine
T +380 4133 67 222, F+380 4133 53 343, www.weidmann-electrical.com

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