

CERTIFICATE OF TESTS

CUSTOMER:	TEM Trafo ve Elektrik Malzemel
ADDRESS:	TR 41 Ovacik Mahallesi Kullar Caddesi 251
MATERIAL (Grade & Size):	SHEET PBD HD 1.5x2100x3200mm
MATERIAL (Grade):	SIGMACOM 3.1
QUANTITY:	1,005 KG
INVOICE NO & DATE:	
PURCHASE ORDER NO:	TEM 2024-064
PURCHASE ORDER DATE:	Nov 4, 2024
BATCH NO:	K41224

Certified that the insulation material manufactured in the above batch have been tested as per IEC60641-2-2004 guide line and have yielded the following results.

No.	Properties	Units	Specification	Value Obtained
1	Thickness	mm	1.39 - 1.61	1.49
2	Apparent Density	g/cm3	1.00 - 1.20	1.15
3	Tensile Strength MD	MPa	100 min	133
4	Tensile Strength CMD	MPa	75 min	91
5	Elongation MD	%	2.5 min	5.9
6	Elongation CMD	%	3.5 min	5.8
7	Compressibility in Air	%	10.00 max	6.42
8	Rev. Compressibility in Air	%	45.00 min	50.80
9	Shrinkage in Air MD	%	0.50 max	0.39
10	Shrinkage in Air CMD	%	0.70 max	0.58
11	Shrinkage in Air PD	%	6.00 max	3.92
12	Ply Bond Resistance	N/30	250 min	997
13	Moisture Content	%	6.00 max	3.11
14	Oil absorption	%	11.00 min	13.42
15	Conductivity of aqueous Extract	mS/m	5.0 max	2.6
16	pH of aqueous Extract		6.0 - 9.0	7.4
17	Ash content	%	0.70 max	0.35
18	Electric Strength In Air	kV/mm	12.0 min	16.0
19	Electric Strength In Oil	kV/mm	45.0 min	55.4

Remarks:-

1)Tested batch conforms to IEC 60641-3-1 & IS 16498 Part 3 - B3.1ASpecification & Accepted.

Note:This is a computer generated certificate hence signature is not required.