



Sigmalek 2.4 (SL 2.4)

Low density calendered pressboard

General Classification

Sigmalek 2.4 is made from 100% high purity sulfate kraft wood pulp. This board is calendered to low density which makes it versatile, with Good electrical strength and is used in all distribution transformers repairing and manufacturing of up to 11 KV rating.

Standard Thickness of Solid Board

0.8, 1.0, 1.5, 2.0 & 3.0 mm

Baseboard sheet sizes

Grade	SL 2.4	
Thickness (mm)	Width	Length
≤ 1.5	1000	1450
2.0 - 3.0	1000	1500

Tolerances:

On thickness:

≤ 1.5mm ± 7.5%

>1.5mm ± 5%

On sheet size: ± 5.0mm

Non standard thickness can be produced within the range. However, minimum order quantity will have to be 2.5 MT



Sigmalek Natural (SL N) Medium density calendered pressboard

General Classification

Sigmalek SL N is made from 100% high purity sulfate kraft wood pulp. This board is calendered to medium density which makes it versatile, with excellent electrical and mechanical strength and is used in all distribution transformers manufacturing of up to 33 KV rating.

Standard Thickness of Solid Board
0.8, 1.0, 1.5, 2.0 & 3.0 mm

Baseboard sheet sizes

Grade	SLN	
Thickness (mm)	Width	Length
≤ 1.5	1000	1450
2.0 - 3.0	1000	1500

Tolerances:

On thickness:

≤ 1.5mm ± 7.5%

>1.5mm ± 5%

On sheet size: ± 5.0mm

Non standard thickness can be produced within the range. However, minimum order quantity will have to be 2.5 MT



Reference Grade & Standard	SL 2.4 RB – In-house Spec	SL N RB – In-house Spec
Color	Natural Light Brown	Natural Light Brown
Physical Properties		
Density, g/cc, range	0.95 – 1.00	1.00-1.10
Moisture content, %, max	8.0	8.0
Shrinkage MD, %, max	1.00	1.00
Shrinkage CD, %, max	1.50	1.50
Shrinkage PD, %, max	6.0	6.0
Chemical Properties		
Conductivity of aqueous extract, mS/m, max	10.0	8.0
pH of. Aqueous extract, range	6.0 - 9.0	6.0 - 9.0
Oil absorption, %, min	20.0	15.0
Ash content, %, max	2.0	1.0
Mechanical Properties		
Tensile Strength, MD/CD (Mpa), min ≤1.50 mm	55/30	60/35
> 1.5 - 3.0 mm	55/30	60/35
Elongation, (%), min MD/CD	5.5/6.5	8.0/9.0
Electric Properties		
Electric Strength (kV/mm), min <u>Air/Oil</u> ≤1.50 mm	7.0/32	7.5/38
> 1.5 - 3.0 mm	6.0/30	7.0/32