



LAMINATED SIGMACOM 3.1

High density Precompressed pressboard

General Classification

Laminated boards are made from solid Sigma com 3.1 boards with the use of casein adhesive for bonding boards which are made of 100% high purity unbleached sulfate kraft pulp. Good mechanical strength & compressibility make Laminated Sigma com 3.1 an ideal board for manufacture of various machined components of thickness more than 6 mm

Standard thickness of laminated board 8, 10, 12, 15, 20, 25, 30 40 & 50 mm

Standard sheet sizes in mm

Width	Length
2000	3100
1500	2000
1500	1000
1000	2000

Tolerance on thickness:

$\leq 12.0 \text{ mm} \pm 5.0\%$

$> 12.0 \text{ mm} \pm 4.0\%$

On sheet size: $\pm 5.0 \text{ mm}$

Non standard thickness can be produced within the range. However minimum order quantity will have to be 1MT.



Reference Grade & Standard	LAMINATED SIGMACOM 3.1 IEC 60763-3-1, LB 3.1.1
Color & Appearance: Natural Brown & Matte with mesh mark on both sides	
Physical Properties	
Density, g/cc, range	1.15 – 1.30
Moisture content, %, max	8.0
Shrinkage MD, %, max	0.50
Shrinkage CD, %, max	0.70
Shrinkage PD, %, max	6.0
Chemical I Properties	
Conductivity of Aqueous extract, mS/m, max	15.0
pH of. Aqueous extract, range	6.0 - 10.0
Oil absorption, %, min	6.0
Mechanical Properties	
Flexural Strength (Mpa), min MD/CD	85/75
Compressibility 'C', (%), max	3.5
Reversible part of Compressibility 'Crev', (%), min	60
Electric Strength Properties	
Electric Strength Oil (kV/mm), min (Parallel to layers in Oil)	8.0