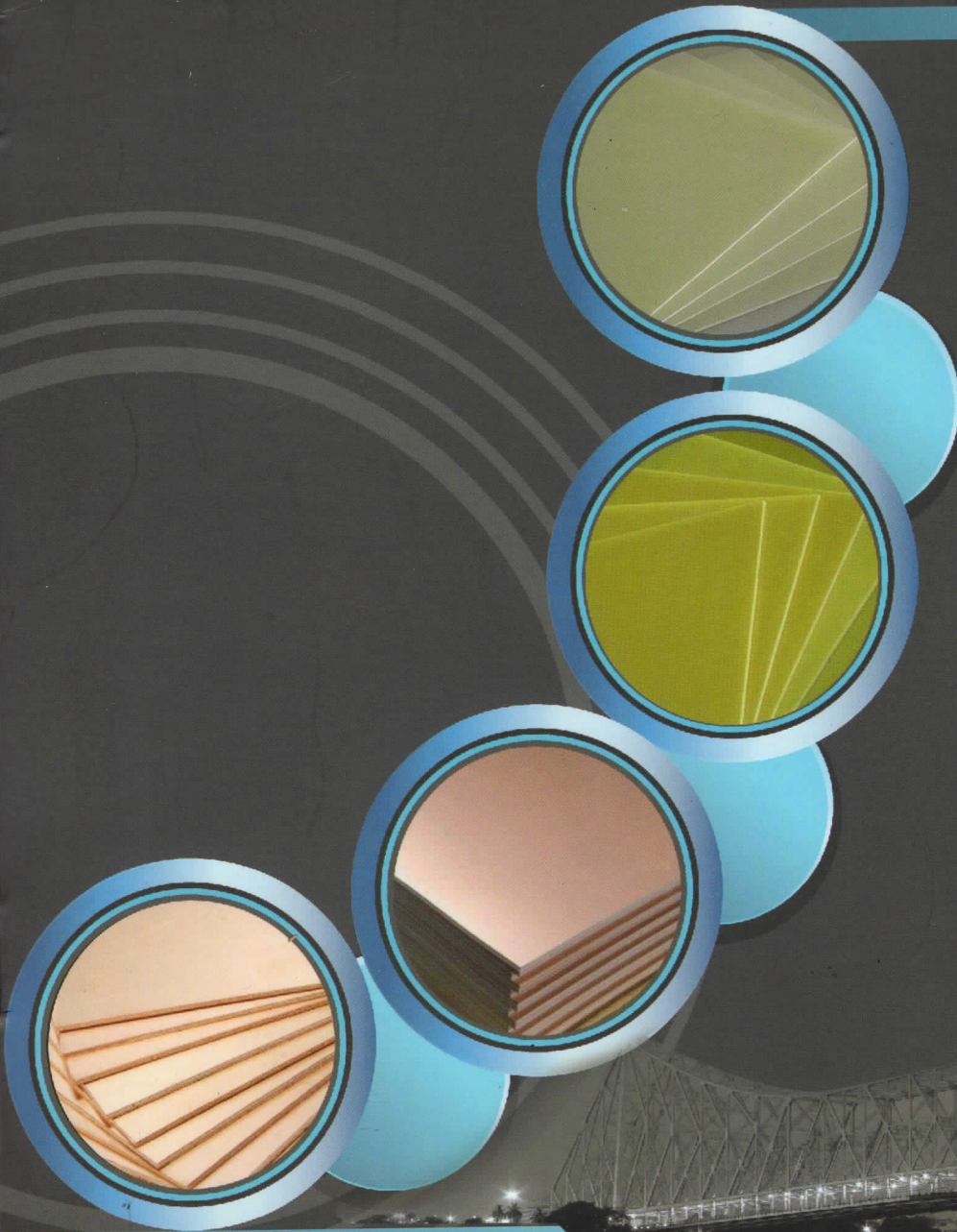


DHAN LAMINATES PVT LTD

A PIONEER IN MANUFACTURING OF :
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RELIABLE
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**YOUR MOST RELIABLE
LAMINATE PROFESSIONAL**



PRODUCT : COPPER CLAD LAMINATES

**GRADE
CEM-3**

NON UV

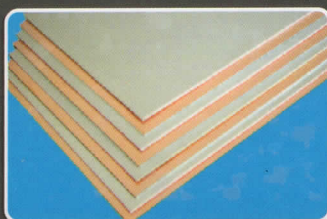
THICKNESS : 0.3 ~ 3.2 MM (Standard thickness 0.8, 1.0, 1.2, 1.6, 2 MM)

COPPER FOIL : 18 μ , 25 μ , 35 μ , 70 μ , 105 μ

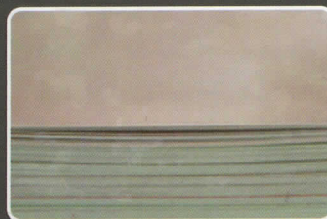
STANDARD SHEET SIZE : 24" X 40" / 36" X 48" / 40" X 48"

COLOURS : PINK, GREY

COLOURS AVAILABLE



GREY



PINK

PROPERTIES	BASE UNIT	STANDARD SPECIFICATION
THICKNESS TOLERANCE (FOR 1.6)	MM	± 0.13
PEEL STRENGTH (35 MICRON COPPER)	N/MM	≥ 1.31
THERMAL STRESS	SEC	$\geq 20(260^{\circ} \text{C})$ No Delamination
TG (DSC)	$^{\circ}\text{C}$	$120 \pm 5^{\circ} \text{C}$
FLEXURAL STRENGTH	N/mm ²	Length Direction ≥ 276 Cross Direction ≥ 186
FLAMMABILITY		UL94V-0
SURFACE RESISTIVITY (AFTER MOISTURE)	M Ω	$\geq 1.0 \times 10^4$
VOLUME RESISTIVITY (AFTER MOISTURE)	M Ω -CM	$\geq 1.0 \times 10^6$
DIELECTRIC CONSTANT (1 MHz)		≤ 5.4
DIELECTRIC BREAKDOWN-PARALLEL	KV	≥ 40
LOSS TANGENT (1 MHz)		≤ 0.035
PERMITTIVITY (1 MHz)		≤ 5.4
ARC RESISTENCE	SEC	≥ 60
CTI	V	175-200

Registered Office: 25, (NEW 39A) CHANDITALA MAIN ROAD, KOLKATA - 700 053, West Bengal, INDIA

Plant - D. H. Road, Khareberia, P. O. & P. S. Bishnupur, 24 Parganas (S)- 743 503, W.B.

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E-Mail: info@dhanlaminates.in, dhanlaminates@gmail.com

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DHAN LAMINATES PVT LTD

YOUR MOST RELIABLE LAMINATE PROFESSIONAL



PRODUCT : COPPER CLAD LAMINATES

UV BLOCKED : YELLOW BASE

NON UV : NATURAL BASE

THICKNESS : 0.3 ~ 3.2 MM (Standard thickness 0.8, 1.0, 1.2, 1.6, 2 MM)

COPPER FOIL : 18 μ , 25 μ , 35 μ , 70 μ , 105 μ

STANDARD SHEET SIZE : 24" X 40" / 36" X 48" / 40" X 48"

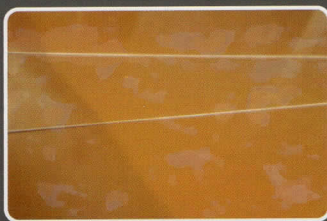
COLOURS : YELLOW (UV) COLOUR, NATURAL (NON-UV) COLOUR

**GRADE
FR-4**

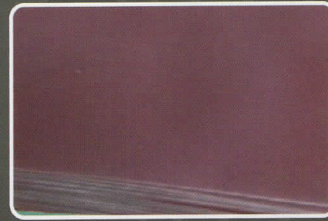
COLOURS AVAILABLE



UV



NON UV



PROPERTIES	BASE UNIT	STANDARD SPECIFICATION
THICKNESS TOLERANCE (FOR 1.6)	MM	± 0.13
PEEL STRENGTH (35 MICRON COPPER)	N/MM	≥ 1.31
THERMAL STRESS	SEC	$\geq 10(288^{\circ} \text{C})$ No Delamination
TG (DSC)	$^{\circ}\text{C}$	$135 \pm 5^{\circ} \text{C}$
FLEXURAL STRENGTH	N/mm ²	Length Direction ≥ 415 Cross Direction ≥ 345
FLAMMABILITY		UL94V-0
SURFACE RESISTIVITY (AFTER MOISTURE)	M Ω	$\geq 1.0 \times 10^4$
VOLUME RESISTIVITY (AFTER MOISTURE)	M Ω -CM	$\geq 1.0 \times 10^6$
DIELECTRIC CONSTANT (1 MHz)		≤ 5.4
DIELECTRIC BREAKDOWN-PARALLEL	KV	≥ 40
LOSS TANGENT (1 MHz)		≤ 0.035
ARC RESISTENCE	SEC	≥ 60
CTI	V	175-250



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