

V.M.I. GROUP OF INDUSTRIES

About Us

VMI GROUP a venture of 450 crore engaged in the copper & Plastics industry, since last 25 years. We are having our units at Jammu, Gurgaon, Bhiwadi, Daman. VMI Group, having a team of highly experience professionals. VMI has spread its wings in diverse direction which include copper rods, copper wire, Copper Strips & flats, super enameled wire and submersible winding wire.

Vidya Metal Mfg. Co. Pvt. Ltd. (An ISO 9000:2000 Co) a group company has now established, a unit at Bhiwadi to manufacture Electrolytic copper strips, busbars & profiles with latest imported plant & Technology to produce International standard products conforming to BIS, DIN, ASTM Standards. We are fully equipped with Laboratory and quality parameters are tested on line as well as off line for each batch of products.

VMI Plastics entered into the field of manufacturing Polycarbonate Bottles in 2000. Presently we are supplying bottle to The Hindustan Coca-Cola and other mineral water bottle manufacturers.

In the year 2004 we entered into manufacturing of Polycarbonate Sheet under the brand name " SUNLITE POLYCARBONATE SHEET ". The manufacturing and technical center is located in Gurgaon (Haryana).

VMI Industries (An ISO 9000:2000 Co) Jammu produces Electrolytic copper rods, wires and caters to all major cable manufacturers.

ESS ELL Cables Co. (An ISO 9000:2000 Co), is one of the leading manufacturer of Electrolytic Grade Copper Bare Copper Wires & Strips, Enamelled Winding Wires made of C.C. Copper and Winding Wires for Submersible Pump Motors. It is situated at Daman about 180 kms. north of Mumbai in Western India.

Our quality is excellent and consistent as our products are vigorously and systematically tested at each stage of production.

Alliance Copper Concepts Pvt. Ltd. is an association of Vast Experience accompanied by Young Zeal & Enthusiasm. Our organization is very well equipped to deliver its customers the Best Quality Products at the most reasonable Prices, being our works situated at one of the most economically strategic locations of India, Jammu.

We manufacture Alliance enamelled winding wires made of C.C. Copper, range between 8-SWG to 40-SWG. These wires are insulated with variety of wire enamels, e.g. Polyester, Modified Polyester, Polyesterimide

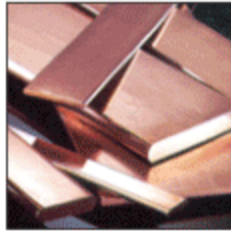


About Us

VMI Group of Industries

Vidya Metal Mfg. Co. Pvt. Ltd.

An ISO 9001 : 2000 Co.
Bhiwadi, Rajasthan



Mfg. of Electrolytic Copper Strip, Flats, Rod & Wire

VMI Industries Jammu



Mfg. of Electrolytic Copper 8mm Rod & Wire

Alliance Copper Concepts Pvt. Ltd. Jammu



Mfg. of Enamelled Winding Wires & C.C. Copper

ESS ELL Cables AN ISO 9001 : 2000 Co. Daman

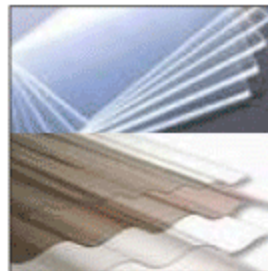


Mfg. of Copper Super Enamelled Wire/Strip & Submersible

VMI Plastics AN ISO 9001 : 2000 Co. Gurgaon, Haryana



Mfg. of Sunlite Polycarbonate Sheet / Polycarbonate Bottles



Product Range



WORLD

Available as the finest copper for electrical transmission and distribution, produces Copper Busbar, Rods and Profiles of various shapes of to a section of 2400 mm².

- Copper Rods (Round, Square, Hex)
- Copper Flats
- Copper Profiles
-

Copper Flats / Strips

We have large production facilities for Extruded and Drawn Flats in various production range of sizes and shapes for Electrical Engineering (Transformers, Switchgears, Panels, Earthing, Electrification - Lines), Anodes, Components etc.

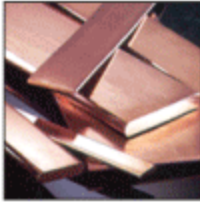
Width: 04 mm to 170 mm

Thickness: 1 mm & above

- With sharp edges
- With round edges
- With full radius

Applications

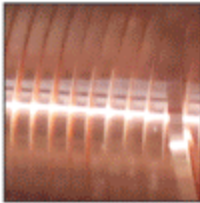
- Automobiles and railways
- Wide range of uses in electrical industry, e.g. switchgears, earthing rods etc.
- Transformers and circuit breaker terminals
- Electrical holders and clamps
- Railways and defence industries



The Benefit of busbars includes

- Higher Conductivity for better carrying capacity
- Excellent dimensional control for superior contacts
- Engineered for longer life
- Crack - free bends
- Customer specification solutions

Weight per feet in kg. = width x thickness x 0.0028



Copper Profiles / Sections

Beside Our existing wide range We also develop profiles as per customers requirements.

Wire / Rods

Copper Rods (Round, Square & Hex)

We offer a wide range of rods, which are used for connectors, electrical motor components, electroplating, switchgear, ship building and power generating equipment.

Sizes: diameter 5mm to 200 mm available

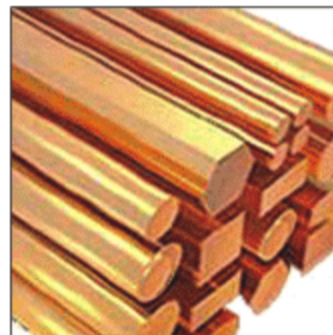
Weight per feet in kg. = Dia. x Dia. x 0.0021

COPPER WIRES

Outer Diameter 0.2 mm to 6 mm
Available in coils & Spools

GRADES

- Oxygen Free High Conductivity Copper (OFHC)
- Electrolytic Tough Pitch Copper (ETP)



Insulated Copper Conductors



COPPER
WORLD

Paper Insulated Copper Round Conductors (D.P.C. / T.P.C. Wire)

- Reference Standard :
IEC, DIN, IS, BS & other relevant Customized Standards
- Insulation Option :
 - Electrical Grade Kraft Insulating Paper
 - Crepe Paper
 - Thermally upgraded paper
 - Nomex Paper
 - Polyester Tape
- Wrapping Method :
50% overlapping as per customer requirement or as per standards.
- Insulation Range :
Min. 0.200 mm to Max. 0.800 mm
- Size Range of the Round :



SIZE RANGE

	SIZE RANGE / INSULATION RANGE	
	Minimum	Maximum
Diameter of the Conductor	0.800mm	6.00mm

	Solid Round	
	Minimum	Maximum
Diameter	1.5 mm	6.00 mm
Cross Sectional Area	1.75 mm ²	30 mm ²

	Stranded / Flexible / Bunched Round	
	Minimum	Maximum
Diameter	5.10 mm	30.0 mm
Cross Sectional Area	16.00 mm ²	450.00 mm ²

PACKING DETAILS

No.	Flange DIA. D1 (mm)	Traverse width B2(mm)	Barrel Dia. D2(mm)	Flange Thickness T(mm)	Overall Width B1(mm)	Bore Dia. D3(mm)	Capacity in kgs
1.	250 ± 5	120 ± 3	85 ± 5	12 ± 0.5	144	40	20

Our Facilities

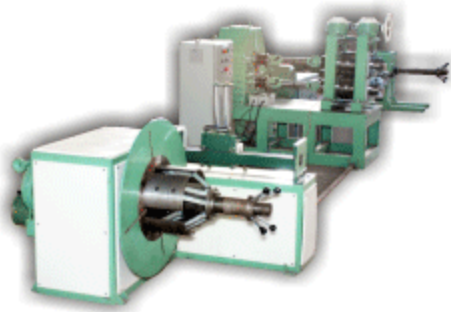


EXTRUSION

- Continuous Extrusion Plant for Strips and Rods – 20 mm² to 400 mm².
- Continuous Extrusion Plant for Strips and Rods – 100 mm² to 2400 mm².

DRAW

- Cold Rolling Mill
 - Strip & Bus Bars
- Drawbench
 - Pointing Machine
 - Bull Block
- Straightening Machines



WIRE DRAW

- Rod Break Down Machine
- Medium Wire Drawing Machine
- Fine Wire Drawing Machine

Our Facilities



ANNEALING FURNACES

- Vacuum Bright Pot Annealing Furnace Electrical

CONDUCTOR COVERING MACHINE

- 3 Layer Insulating Machine
- 8 Layer Insulating Machine
- 9 Layer Insulating Machine

PAPER SLITTING MACHINE



Insulated Copper Conductors



COPPER
WORLD

Paper Insulated Copper Conductors (Rectangular) Application :

1. Reference Standard :
IEC, DIN, IS, BS & other relevant Customized Standards
2. Insulation Option :
 - Electrical Grade Kraft Insulating Paper
 - Crepe Paper
 - Thermally upgraded paper
 - Nomex Paper
 - Polyester Tape
3. Wrapping Method :
Butt Lapping + Overlapping % as per customer requirement or as per standards.
4. Insulation Range :
Min. 0.200 mm to Max. 3.00 mm
5. Size Range of the Strips :



SIZE RANGE		
	Minimum	Maximum
Width	4 mm	30 mm
Thickness	0.8mm	10 mm
Cross Sectional Area	3.20 mm ²	150 mm ²
Width/Thickness Ratio	1.20	8.00

6. Packing Details

No.	Flange DIA. D1 (mm)	Traverse width B2(mm)	Barrel Dia. D2(mm)	Flange Thickness T(mm)	Overall Width B1(mm)	Bore Dia. D3(mm)	Capacity in kgs
1.	450 ± 5	200 ± 3	300 ± 5	18 ± 4	236	40	70
2.	500 ± 5	230 ± 3	300 ± 5	18 ± 4	267	40	90
3.	560 ± 5	240 ± 3	310 ± 5	18 ± 4	276	40	100

Lab & Tools



TOOL ROOM

- H Lathe Machine
- H Shaper
- H Drill Machine
- H Welding Machine
- H Wire Cutting Machine
- H EDM Machine

TESTING FACILITY

Mechanical Testing

- H Vickers hardness
- H Universal Testing Machine
- H Conductivity Meter
- H Resistivity Meter
- H Profile Projector



Lab & Tools



TOOL ROOM

- H Lathe Machine
- H Shaper
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TESTING FACILITY

Mechanical Testing

- H Vickers hardness
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ESS ELL CABLES  CO.

 COPPER

Daman

ISO 9001 : 2000 CO.

Manufacturer of :

• Bare Copper Wires & Strips • Enamelled Copper Wires & Strips • Submersible Winding Wires

We manufacture ESS ELL and LG brand enamelled winding wires made of C.C. Copper, range between 8-SWG to 40-SWG (including Metric Sizes and Intermediate Sizes). These wires are insulated with variety of wire enamels, e.g. Polyester, Modified Polyester, Polyesterimide (Hermetic) and Dual Coat (Imide - Amide) as per IS-13730 part 0 (sec. 1) 1993 - part 34,3,8 and 13 respectively.

PVC insulated copper winding wires for submersible pump motors are manufactured with latest international technology. These wires are insulated with a special vinyl compound which is formulated and processed in a sophisticated processing plant.

PVC Insulated

PVC insulated copper winding wires for submersible pump motors are manufactured with latest international technology. These wires are insulated with a special vinyl compound which is formulated and processed in a sophisticated processing plant.

Single Coated - Over Conductor we give only one insulation of PVC. We manufacture and mark these wires as per IS-8783, 1995

Double Coated - Over conductor we divide the insulation thickness of PVC into two layers without increasing over all diameter of the wire or thickness of insulation. These two layers are divided in to 45 : 55 proportions of the total thickness of the insulation. Double PVC Insulated wire has an upper edge technically over the single PVC Insulated wire, as proved in certain tests as : water absorption, high voltage, etc.

Range of Submersible Winding Wire - 0.6 MM to 2.50 MM



ESS ELL CABLES  CO.

Admn. Off. : E-2/9, Vasant Vihar, New Delhi - 110057. M. : 9873211221
Ph. : 26140288, 32529620, Fax : 91-011-26140268 e-mail : essell@vsnl.com



Alliance Group is an association of Vast Experience accompanied by Young Zeal & Enthusiasm. Our Organization is very well equipped to deliver its customers the Best Quality Products at the most reasonable Prices, being our works situated at one of the most economically strategic locations of India, Jammu.

We have complete in-house testing facility to promise our clients regular quality checks & controls of not only the finished Products but also of the Raw Materials. We believe that there is No Compromise on Quality & there is always scope of its betterment. We strive hard to achieve this as there is an Universal saying that the Quality never Sleeps.

On this note we pledge to deliver the best to our prospective customers at the Most economic Prices with an extra effort to provide best possible services.



Alliance Copper Concepts Pvt. Ltd.

Lane No. 3, Phase-1, SIDCO Industrial Area, Baribrahmna, Jammu (J & K) - 181133
Ph. : 01923-220429 Telefax : 01923-220388. E-mail : alliancecopper@rediffmail.com

WORLD

Plastic Division

SUNLITE™
POLYCARBONATE SHEET
COMPACT • CORRUGATED • EMBOSSED

SUNLITE Polycarbonate sheet are a perfectly ideal medium for roofing glazing, skylights, Pathway bus shelters, shopping arcade, canopies, partitions greenhouse and industrial glazing because of ties combined mechanical, optical, thermal properties offered separately by metals, glass & other plastics.

SUNLITE polycarbonate sheet, extruded from polycarbonate resin offer significant design freedom, lightweight, fire performance and thermal insulation. SUNLITE polycarbonate sheet combines high impact resistance with optical clarity, so providing superior safety and security protection.

SUNLITE Compact Sheet

SUNLITE clear sheet is the regular sheet grade for transparent applications. It gives protection against breakage or intrusion; it is better insulator than glass and is easily fabricated for a wide range of indoor application.

SUNLITE Embossed Sheet

SUNLITE Embossed sheet is a translucent product that provides excellent light diffusion. Its textured surface is ideal for private glazing with all the advantage of polycarbonate sheet

SUNLITE Corrugated Sheet

SUNLITE corrugated sheet is a single wall profiled sheet that provides better rigidity than flat sheet of similar thickness. It is extremely light in weight, allowing easy handling and minimal support structures

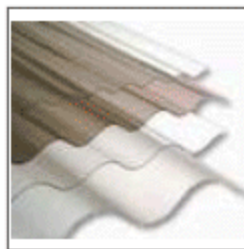
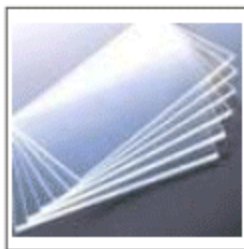
SUNLITE Polycarbonate sheet weight half as much as glass of the same thickness. It makes an excellent construction materials.

SUNLITE Polycarbonate sheet is one of the toughest, transparent thermoplastic materials. It has the highest level of strength of any plastics. SUNLITE polycarbonate sheet has 250 times the impact strength of glass and 30 time stronger than Acrylic. Whether called upon to absorb hammer strikes or falling rocks, Sunlite exceptional impact resistance makes it ideal high-tech material.

An outstanding feature of SUNLITE polycarbonate solid sheet in the retention of mechanical properties over under extremes of heat & cold. Practically no damage occurs to SUNLITE polycarbonate solid sheet between -40 degree C and +125 degrees C

Poylcarbonate Sheets are widely used in prefab building systems and Modern Factories to give natural light to industry as roofing material and sky lighting environment. It is also used in switchgear and panel industry.

Mineral water Bottles of Pet & Poylcarbonate are used widely by big mineral water manufacturers as these products are safe and food grade quality is only used to maintain quality standards.



Mktg. Off. : 2E/9, Ground Floor, Jhandewalan Ext., New Delhi-55

Tel. : 91-11-65170093-94, 23681016, Fax : 91-11-23681015, M. : 91-9350186012 E-mail : vmisheet@gmail.com



V.M.I. GROUP OF INDUSTRIES

VIDYA METAL MFG. CO. PVT. LTD.

(An ISO 9000:2000 Co)

Bhiwadi

VMI PLASTICS

(An ISO 9000:2000 Co)

Gurgaon

VMI INDUSTRIES

Jammu

ESS ELL CABLES CO.

(An ISO 9000:2000 Co),

Daman

ALLIANCE COPPER CONCEPTS PVT. LTD.

Jammu



V.M.I. GROUP OF INDUSTRIES

Regd. Office : 35, Central Market, 2nd Floor, Ashok Vihar Phase-1, New Delhi - 110052

Tel. : 91-11-27465138, Fax : 91-11-27465139 Mobile : 9953686002

E-mail : vmisheet@hotmail.com ; Website : www.vmigroup.co.in