

# UPPL

UNION PRESTRESS PVT. LTD.

UPPL - INDIA



**B.L. BAJAJ**  
MANAGING DIRECTOR



**VIVEK BAJAJ**  
DIRECTOR

## About us...

“UPPL – INDIA” (Union Prestress Pvt. Ltd.) is an ISO 9001 & 14001 Certified company and was founded in 1978 by a team of highly qualified persons involved in production & development of new products for electrical industry.

Since inception, “UPPL-INDIA” has manufactured & exported various products like Glass Fiber Filled Ropes, Binding Hose, Overhang Protection Tape, Aramide & Polyester Nonwoven Fabric (Felt) & various other insulation materials for distribution & power transformer, overhang portion of rotating machines, high voltage machines, hydro turbines, power panels and other similar machines. We also offer Protective Sleeve made of PA66 & PET for mechanical protection & wire harnessing in control panels, automobile industries & in other applications.

“UPPL-INDIA” is equipped with state of art production facilities in a dust free environment and sophisticated lab with fully computerized testing equipments. The company employs highly qualified staff to take care of various requirements of customers to the best of their satisfaction.



Our Production and R&D Center in 1978



Our Present Production and R&D Center



Dust Free Manufacturing Ambience



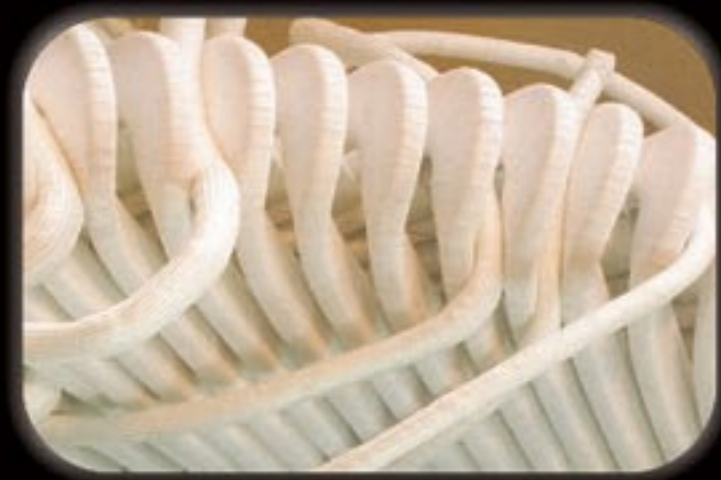
Fully Equipped, Calibrated & Computerised Lab



ISO 9001 & 14001 Certificate



**BRACING CORD**  
**SURGE ROPE**  
**SUPPORT CORD**



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## **BRACING CORD / SURGE ROPE / SUPPORT CORD**

### **"UPCORD"**

#### **ABOUT IT :**

This is a round Rope/Cord with braiding of Glass Fiber or Polyester yarn with high quality round shaped Glass Roving as filler. It is mostly used in binding the overhang coils. It has good absorption property and becomes real hard after curing to give vibration free overhangs.

#### **MATERIAL USED FOR BEST RESULTS :**

- High tenacity Polyester yarn or 'E' Class Fiber Glass yarn for outer braiding.
- High quality 'E' Class Fiber Glass Round Shaped Roving for best absorption.
- All Material Used is 100% Imported from Europe only.
- 'E' Class Glass Fiber is only recommended for Electrical Industries, which is treated with Aminosilane and free from Oil Dextrins.

#### **CHARACTERISTICS :**

- Available in Different Sizes from 03mm to 60mm Outer Dia.
- It's outer braiding can be supplied in Polyester or Glass Fiber yarn as per user's requirement/application.
- Compressibility up to 55% under Pressure of 30 N/cm & regains up to 80% of its original Diameter when released.
- Best Suitable for VPI and excellent absorption property with all types of varnish / resins.

#### **APPLICATION :**

"UPCORD" is used to support overhang coils in rotating machines. This product absorbs impregnating varnish / resin and on curing forms a hard support for coil to give vibration free overhang.

**UNION PRESTRESS PRIVATE LIMITED**

Plot # A-128, Road No. 9D, Vishwakarma  
Industrial Area, Jaipur-302013

**"PLEASE FEEL FREE TO CONTACT US FOR YOUR CUSTOMISED REQUIREMENTS"**

T&C\* APPLICABLE (PLEASE TURN OVER)



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## **HEAT SHRINK TUBE/SLEEVE CABLE IDENTIFICATION CUT SLEEVE**

### **"UPHS-TUBE"**

#### **ABOUT IT :**

This is our new product range which is used as protection over any insulation material or cable. It is also used to protect the cutting/joints in electrical cables. There are many other uses as per requirement of user.

#### **MATERIAL USED FOR BEST RESULTS :**

- Polyethelene Based Polyolefin material for better performance & life .
- Thermofit DCTP. Which provides excellent temperature resistance.
- Elastomer
- Thermoplastic Adhesive for good gripping and sticking.

#### **CHARACTERISTICS :**

- Available in many sizes from 1.5mm to 35mm Inner Dia after shrinking.
- Shrink Ration of 1:2, 1:3 & 1:4 available in different materials as per requirement of user.
- Color mainly used & supplied Yellow/Green (Dual), Black, Transparent, White & Yellow.
- Printed/Printable Identification cut sleeve in different sizes.
- Inner Adhesive Shrink sleeve for better grip and hold.
- Thin wall, Medium wall, Heavy wall & Dual wall thickness material available.

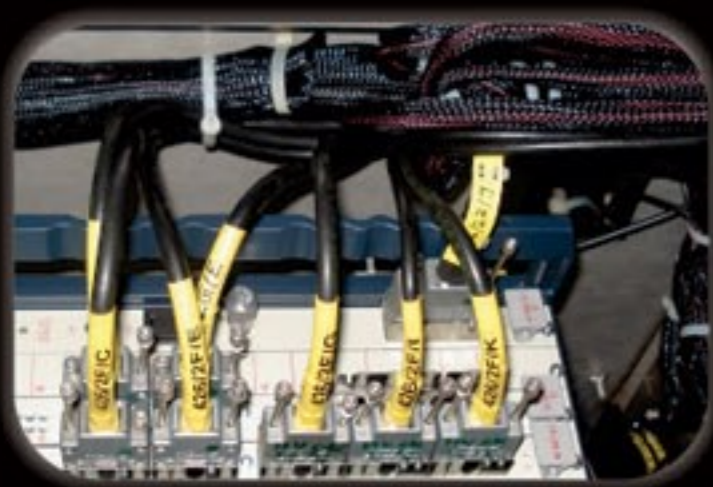
#### **APPLICATION :**

"UPHS-TUBE" is very soft and flexible material in unshrink condition, which can easily be used and covered over high or low voltage cables to give extra protection. This can also be used on cutting / joints in cables to protect from moisture and loose connection/contacts. Cable Identification Sleeve used on cable ends with there identification numbers for easy working. These sleeves are multipurpose sleeves and can be used in any types of industries as per there requirements & applications.

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**HEAT SHRINK TUBE/SLEEVE  
CABLE IDENTIFICATION SLEEVE  
ADHESIVE SHRINK TUBE**



**UNION PRESTRESS PRIVATE LIMITED**

Plot # A-128, Road No. 9D, Vishwakarma  
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**NON WOVEN FELT / NEEDLE PUNCH FELT**

**“UPFELT”**

**ABOUT IT :**

It is used in almost all the electrical insulation industries as interlayer spacer and filling material. It has very high resin absorption property. Felt is made by Aramide or Polyester fiber by needle punched process & treated with Binder / Accelerator as per application and requirements of the user.

**MATERIAL USED FOR BEST RESULTS :**

- High quality Aramide fiber.
- High Performance Polyester fiber.
- European Needle Punching Loam for excellent quality.
- Binder / Accelerator if required by the user.

**CHARACTERISTICS :**

- Available in Aramide and Polyester fiber as per Application / Requirement.
- Thickness from 1mm to 6mm with different weight and compressibility can be manufactured as per user requirement.
- Standard roll width is 1000mm and Felt tape of different width can also be provided.

**APPLICATION :**

“UPFELT” is very soft and flexible material which is used as filling material between inter spaces of the coils. It absorbs resin more than 400% at the time of VPI and provides vibration free and gapless insulation.



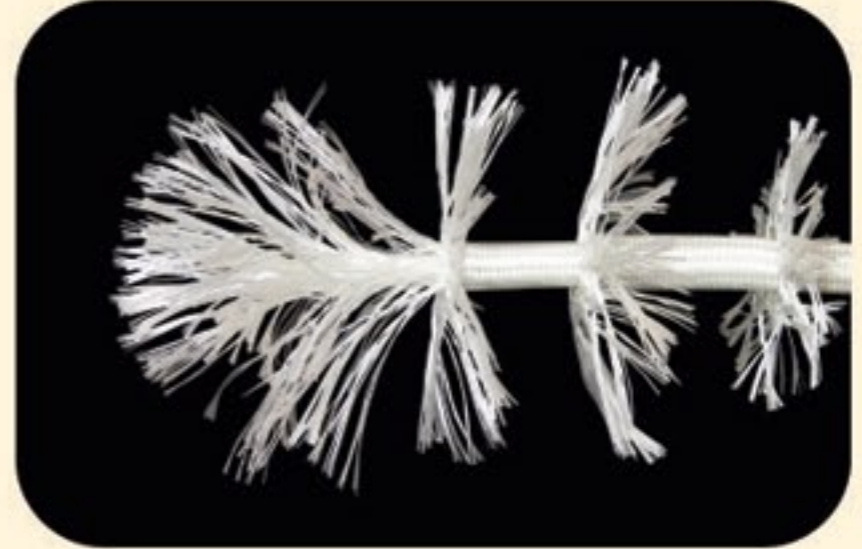
**NON WOVEN FELT  
NEEDLE PUNCH FELT**



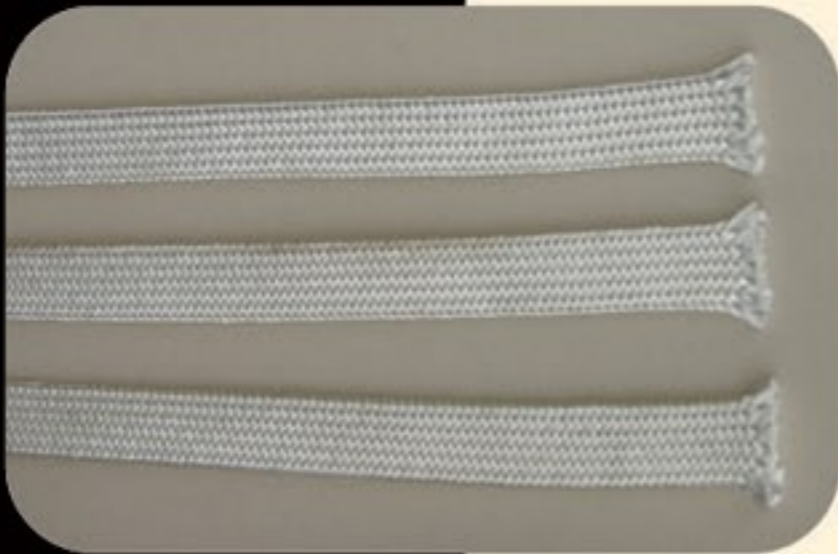
**OTHER PRODUCTS :**



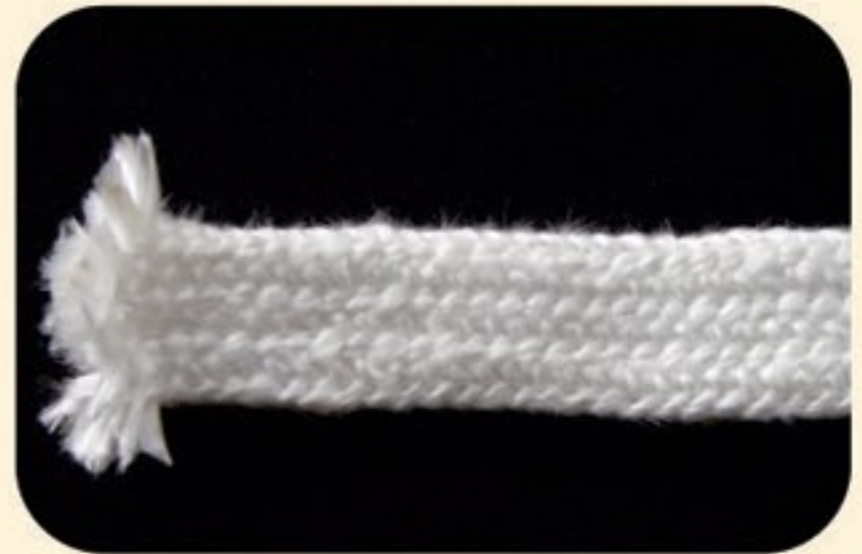
Polyester Sleeve / Hose



Mutibraided Solid Glass Fiber Cord



Glass Fiber Sleeve / Hose

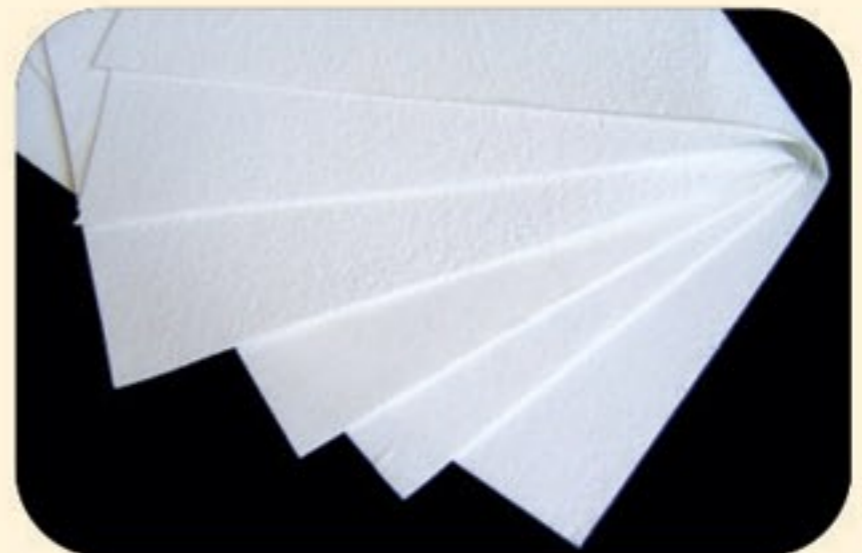


High temperature Resistance Glass Hose

**UPCOMING...**



Pulltruded Slot Wedges



Ceramic Sheet

**OVERHANG PROTECTION TAPE /  
SEAL SHRINK TAPE**

**"UPSEAL"**

**ABOUT IT :**

It is winded on overhang coils for its protection from outer moisture and damages. Its Shrinkage property prevents the inner insulation material from draining out and also compacts overhang part at the time of VPI.

**MATERIAL USED FOR BEST RESULTS :**

- High tenacity Polyester yarn.
- 'E' Class Glass fiber yarn.
- High quality Shrinkable PET Film.
- Resin "UPRES" for excellent performance and suitable with all type of VPI resins/varnish.

**CHARACTERISTICS :**

- Available in 0.09mm thickness and in different width sizes.
- Weighs approx 80 g/m<sup>2</sup>, Tensile  $\geq$  60 N/10mm, Elongation  $\geq$  20%, Shrinkage for 2 hrs.: At 70°C:  $\leq$  1%, 120°C:  $\geq$  8%, 150°C:  $\geq$  14%.
- Shelf life 24 months at 20°C & 50% RH from the date of manufacturing.
- Maximum temperature permissible up to 170°C for short time at the time of curing.
- Standard Roll length of 50 Mtr. is supplied.

**APPLICATION :**

"UPSEAL" is used for covering the final layer of the overhang coils for its protection against damages and moisture, binding of resins/varnish and Protection of coils at the time of VPI against ambient stress.

**OVERHANG PROTECTION TAPE  
SEAL SHRINK TAPE**



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## **PROTECTIVE SLEEVE / CABLE JACKET**

### **"UPSLEEVE"**

#### **ABOUT IT :**

This can be easily identified by its name. It is used as protection for cables and for cable bunching in many electrical and automobile industries.

#### **MATERIAL USED FOR BEST RESULTS :**

- Polyamide 6.6 (Nylon 66) for high temperature from  $-50^{\circ}\text{C}$  to  $160^{\circ}\text{C}$  for best performance in all type of industries.
- Polyester ( PET ) for medium temperature from  $-20^{\circ}\text{C}$  to  $110^{\circ}\text{C}$  suitable for average uses.
- Material can be manufactured from yarn diameter 0.22mm, 0.25mm & 0.28mm or customised as per requirement.
- Colour mostly used is Black & Grey.

#### **CHARACTERISTICS :**

- It is expandable and can be expanded up to double of its normal size.
- Cables with different attachments on its head can easily be inserted due to its Expandable Property. It regains its original size to protect the cable.
- Sleeve/Tube made of Polyamide 6.6 (Nylon 66) is Highly Flexible, Halogen free, Self Extinguishing according to UL-94, Inflammable, Resistance against Mineral Oil, Greases, Transformer Oil, Benzene Solvent, etc.

#### **APPLICATION :**

"UPSEEVE" is used for Cable Bunching, Harnessing & Bundling. It also protects wires and cables from wear and tear caused due to mechanical abrasions. This is in expandable form.



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### **PROTECTIVE SLEEVE CABLE JACKET**





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## **SPIRAL TUBE / BEND COVERING TUBE**

### **"UPSPIRAL"**

#### **ABOUT IT :**

Spiral Tube consists of spirally wound Aramide Nonwoven Tape with multiple layers of Polyimide Silicone Adhesive Tape.

#### **MATERIAL USED FOR BEST RESULTS :**

- Accelerated Treated Nonwoven felt for inner layer made by Aramide fiber.
- Polyimide Adhesive tape, multilayers tape for outer covering and support.

#### **CHARACTERISTICS :**

- Available in different sizes as per requirement by industries from 04 MM to 10 MM or customizes.
- Average Break Down Voltage is  $\geq 7$  KV.
- Shelf Life 12 Months at 20°C & 65% RH from the date of manufacturing.

#### **APPLICATION :**

"UPSPIRAL" is used for giving additional covering at sharp bends in coils of rotating machines. The Nonwoven Tape absorbs the resin and forms a homogenous covering to the coils.

### **SPIRAL TUBE BEND COVERING TUBE**



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**Industries  
we cater to:**

