

ELECTRICAL INSULATION



Precision Products Group, Inc. has the ability to offer custom constructions made entirely or partially with a wide variety of electrical grade materials. PPG manufactures a complete line of custom, spiral-wound electric motor insulation components including crossover insulation, lead wire, secondary insulation covers, motor protector sleeves, motor shaft insulation, wire marking sleeves, and the industry's largest variety of wire splice shrink caps and sleeves.



Materials

Dielectric kraft - Class B Stage
Vulcanized Fiber
PET I Shrinkable/non-shrinkable polyester film
Polyimide & Polyamide (aramid fiber) paper
Phenolic Kraft
Gummed Kraft
Acetate

High Temperature Materials

| | |
|------------|---------|
| Mylar® PEN | Corquin |
| Nomex® | Kapton® |
| Cequin® | |

Combination Materials

| | |
|------------------------|--------------------|
| Kraft / Mylar® / Kraft | Kapton® / FEP |
| Foil / Kraft | Nomex® / Polyester |
| Acetate Wrap | Polyester / Nylon |
| Kapton® / Nomex® | |

Applications

Transformer core
Capacitor core
Fuse tubes / fuse link
Battery sleeve
Armature or rotor shaft spacers
Insulators
Battery cable protectors
Heat shield dielectric barriers
Lead wire insulation
Coil forms (for starters/alternators)
Wire splice insulation
Slot insulators/liners

PPG specializes in sidewall bow options to reduce collapse during transformer winding.

WHERE GREAT IDEAS TAKE SHAPE



PRECISION PRODUCTS GROUP, INC.

(800) 887.1475 · www.ppgintl.com

Capabilities

Custom shapes

- Half-round, triangular, elliptical, trapezoid, square with rounded corners

Finishing

- Printing - options include in-line printing, winding tubes with pre-printed paper, labels applied to already manufactured tubes; ink/paper colors can be matched to virtually any PMS color
- Finishing - including cutting, slitting, notching, punching, and creating U-channels, de-burring
- End closures - drawn caps, formed-end caps, inverted caps, disk-and-roll, rolled ends, curled, capped, flared, conical-formed, flat ends, flute ends, protective paper caps/plugs/tubes, paint masking caps, wire-splice end caps, thermal forming
- Waxing - provides an additional moisture barrier and enhanced dimensional stability; wax-dipping possible at both high temperature and low temperature
- Closed-end tubing - sonic-sealed, disk-and-roll, heat-sealed, flute-end
- Dip & brake process - ideal for electrical applications that require high-temperature resistance, dielectric strength, and structural integrity; variety of materials can be used

Ultrasonic Welding

- Ultrasonic welding - lateral-seal, heat-stabilized PET

Sheeting

- Sheeting - interleave

