



**Type NS – No Shrink Polyester Sleeving**

Bulletin #S-2

- Type NS (No-Shrink) polyester is produced by spirally winding strips of polyester (Polyethylene Teraphthalate or PET) film into tubular form. The plies of film are laminated using a uniquely formulated polyester resin that is chemically similar to and has properties comparable to the polyester film.
- This tubing has proven to be very reliable insulation where a thin wall, high dielectric and continuous operating temperature of 150°C is necessary.
- Polyester film can also be used in virtually any combination of plastic films, papers or substrates, which we currently, spirally wind. This allows us to meet your exact need when the properties of more than one material are required.

**No-Shrink Polyester sleeving is available within the following specifications:**

Inside diameters .026” to 2.000”

Wall thickness .001” to .030” with limitations for smaller diameters

Lengths Up to 72”  
Standard tolerance +/- .250”  
Cut to Length toler. +/- .010” to .030

- Sleeving can be supplied in clear, opaque and striped colors.
- For more critical tolerances and information about printing capabilities, please inquire.

<b>General Properties of Type NS Polyester Sleeving</b>		
<u>Properties</u>	<u>Data</u>	<u>Test Method</u>
Melting point	250°C to 255°C	-
Service temperature	-60°C to 150°C	-
Dielectric strength	2500 volts/mil (min) @ 25°C, 60 cycle	ASTM D-149
Dielectric strength	2000 volts/mil (min) @ 150°C, 60 cycle	ASTM D-149
Water absorption	.75% max, 24 hr. immersion @ 25°C	ASTM D-570-595
Corrosive effect on copper	Negligible	-
Resistance to industrial solvents	Excellent	-
Resistance to Freon	Excellent	-
Transformer oil resistance	Excellent	-
Chemical resistance to acids, bases, impregnants & varnishes	Excellent	-
Fungus and bacteria resistance	Inert	-
Bending recovery	Excellent	-
Tear resistance	Excellent	-
Puncture resistance	Good	-
Abrasion resistance	Good	-
Peel strength	357 grams/CM (min)	-
Flammability	Slow to self-extinguish	-
Shrinkage	Less than 2%	-

Note: This material property information is the best currently available on the subject. The data should be viewed as a general guide to tube and material properties, not a performance guarantee. The customer should examine the suitability of the finished product for individual applications.

Stone Industrial Division  
9207 51<sup>st</sup> Ave.  
College Park, MD 20740-1910  
800-887-1475  
Web: [www.ppgintl.com](http://www.ppgintl.com)  
Email: [sales@ppgintl.com](mailto:sales@ppgintl.com)