

Product Description PTFE heat shrink sleeves are made from pure virgin PTFE


Product Construction	Polymer	Color	Standard Roll Length	Width
	PTFE (polytetrafluoroethylene)	Translucent	on demand	

Typical Physical Properties The following technical information and data should be considered representative or typically only and should not be used for specifications purposes.

Property	
Tensile strenght	250 kp/cm ²
Elongation	350 %
Flexural modulus	6800 kp/cm ²
Hardness	D55
Melting point	327 °C
Service temperature	-200/+260 °C
Non flammability	rated 94 VO
Water absorption 20°C	<0.01 %
Weather resistance	Excellent
Density	2.1 g/cm ³
Dialectric constant	2.1 1 MHz
Dissipation factor	0.0002
Resistance against organic solvent	Excellent
Resistance against acids and alkalies	Excellent
Flexibility	Good
Specific heat	0.3 cal/g/°C
Thermal conductivity	5 x 10 ⁻⁴ cal.sec.sq cm/°c/cm
Coefficient of linear expansion	10 ⁻⁴ cm/cm/°C
Coefficient of friction (Dynamic to steel)	0.1

- Features**
- PTFE heat shrink sleeves offers the ultimate in heat shrink sleeves performance
 - Shrink Ratio of 4:1 can cover complex shapes and terminals
 - Very low coefficient of friction
 - Resulting shrunk sleeves is very tough, has outstanding voltage breakdown and high temperature resistance
 - Maximum continuous working temperature is 260°C but PTFE is still tough at 300°C and it is not damaged by short term exposure to 400°C.
 - Completely resistant to virtually all chemicals, solvents and UV radiation

Product range	Part code	Shrink ratio	Supplied ID inch	Shrunk ID inch	Wall inch	Supplied ID mm	Shrunk ID mm	Wall mm
	PSHT381	4:1	1" 1/2	0,40	0,015	38,00	10,20	0,38
	PSHT317	4:1	1" 1/4	0,35	0,015	31,75	8,82	0,38
	PSHT254	4:1	1"	0,28	0,015	25,40	7,06	0,38
	PSHT222	4:1	7/8"	0,24	0,015	22,23	6,20	0,38
	PSHT190	4:1	3/4"	0,22	0,015	19,05	5,70	0,38
	PSHT158	4:1	5/8"	0,18	0,015	15,88	4,52	0,38
	PSHT125	4:1	1/2"	0,14	0,015	12,70	3,66	0,38


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Caution	<ul style="list-style-type: none">• Always assure good ventilation in the immediate work area prior to beginning the heat shrinking process. <p>CAUTION: Fumes may cause nausea and dizziness.</p>
Product selection and use	<ul style="list-style-type: none">• FEP heat shrink sleeves is the easiest to use followed by 2:1 PTFE and 4:1 PTFE therefore if other factors are not critical select in this order of preferences• Select size by allowing a generous amount of shrinkage rather than using a tight sleeve if possible• Length change on shrinking about 12%. Heat shrink should be allowed to recover a minimum of 20%.• Highly restricted radial recovery tends to induce longitudinal change and increase the tendency for splitting• Hot air guns are the preferred method of applying heat• PEF shrinks down easily at 110°C, PTFE needs 330°C so gun temperatures should be at least 200°C and 400°C respectively. To obtain the higher temperature we suggest a hot air gun of 1.5kW capacity• Parts not covered that have a large thermal mass, e.g. a solid steel roller, may need preheating when PTFE heat shrink is applied, to prevent chilling of PTFE, causing a loose fit.• Heating the object in a oven at 400°C can be used to advantage to shrink the PTFE sleeve, particularly when a number of parts are to be covered
Applications	<ul style="list-style-type: none">• Mast, runners and spreaders• Headstay, standing rigging and shrouds• Metal hardware• Uneven or irregular surfaces
Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% RH in the original packaging.
Shelf Life	To guarantee the best performance, use the product within 12 months from the manufacturing date.
Product use	All statements, technical information and recommendations contained in this document are based upon tests or experiments that we believe reliable. However, many factors beyond our control can affect the use and performance of the product in a particular application, including under which the products is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
Warranty and limited remedy	Unless stated otherwise in the product literature or packaging insert, the manufacturer warrants that each product meets the applicable specifications at the shipping time. Individual products may have additional or different warranties as stated in the product literature or package inserts. We make no other warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or any implied warranty arising out of a course of dealing, custom or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's application. If the product is defective within the warranty period, your exclusive remedy and our and seller's sole obligation will be, at our option, to replace the product or refund the purchase price.
Limitation of liability	Except where prohibited by law, we and seller will not be liable for any loss or damage arising from the product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. the legal theory asserted, including warranty, contract, negligence or strict liability.