

# PRODUCT INFORMATION



IDENTIFICATION AND PROTECTION SYSTEMS

Product Reference: **23P**

## OSPE (4:1) HEATSHRINKABLE PTFE

Siegrist OSPE(4:1) Shrink P.T.F.E. is a highly flame retarded, modified PTFE (Polytetrafluoroethylene), which meets the requirements of MIL-I-23053/12.

Shrink P.T.F.E. with its 4:1 shrink ratio can be used where outstanding chemical and solvent resistance over a wide temperature range is required.

### FEATURES

- \* Continuous operating temperature range -67EC to +250EC and up to 400EC for short periods.
- \* Extremely low coefficient of friction makes it suitable for both electrical and mechanical applications.
- \* 4:1 shrink ratio.
- \* Shrink temperature 327EC with indefinite storage life.

### ORDERING INFORMATION AND DIMENSIONS (mm)

Siegrist Thickness Part No. (nom)	Inside Diameter As Supplied (min)	Inside Diameter After Recovery (max)	Wall After Recovery
OSPE(4:1)-20	2.0	0.6	0.23
OSPE(4:1)-32	3.2	0.9	0.25
OSPE(4:1)-64	6.4	1.6	0.30
OSPE(4:1)-95	9.5	2.4	0.30
OSPE(4:1)-127	12.7	3.7	0.38
OSPE(4:1)-158	15.8	4.5	0.38
OSPE(4:1)-191	19.1	5.7	0.38
OSPE(4:1)-254	25.4	7.1	0.38
OSPE(4:1)-318	31.8	8.8	0.38

Standard package: 1.22M lengths

Standard colour: Natural .

### MATERIAL SPECIFICATION VALUES

Property (Units)	Test Method	Value
<b>Physical:</b>		
Tensile Strength (N/mm <sup>2</sup> )	ASTM D638	17.5 min
Elongation (%)	ASTM D638	250
Specific gravity	ASTM D792	2.2
Low temperature flex (-75EC 4 Hrs)	ASTM D2671	No cracking
Heat shock (400EC 4 Hrs.)	ASTM D2671	No dripping or cracking
Longitudinal change (%) Max	ASTM D2671	15%
<b>Electrical:</b>		
Dielectric strength (volts/mm) min	ASTM D876	40 kV
Volume resistivity (ohm-cm)	ASTM D876	1 X 10 <sup>18</sup>
<b>Chemical:</b>		
Water absorption (25EC 24 Hrs)	ASTM D570	0.1%
Corrosion	MIL-I-23053/12	Non corrosive
Flammability	MIL-I-23053/12	Non burning

Specification reference: MIL-I-23053/12. Meets the requirements of Def. Stan. 59-97 issue 3 type 5b

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