



# Thin wall with 4:1 adhesive PF4-A

PF4-A is a high quality heat shrink tubing made of flexible cross-linked polyolefin with double wall and moisture protection. This flexible sheath with an adhesive internal wall which melts when heated, makes it possible to cover elements of similar or very different diameters and of irregular contours. After shrinking and during cooling, this sheath produces a waterproof protection on the covered product. It is particularly suitable for a wide variety of applications such as the encapsulation of cables, wires, cable terminations and components, which require a high shrinkage.



- Flexible and flexible
- Operating temperature – 55 to 110°C
- Shrinking temperature: > 110°C
- Dielectric strength 15 KV/mm
- RoHS and REACH compliant
- Self-extinguishing (outer sheath) except transparent
- Available in 1.22m bar, spool

Shrunk 3:1 Cut	Ø max ( mm )	Ø min ( mm )	Wall thickness after shrinkage (mm)	long spool in M
4/1	4	1	1.02	200
8/2	8	2	1.02	100
3/12	12	3	1.3	50
4/16	16	4	1.78	50
24/6	24	6	2.1	50
32/8	32	8	2.5	25
52/13	52	13	2.5	25



Available colors: black, transparent.

### Certificates :

SAE-AMS-DTL-23053/4 Class 3 (colors)  
ROHS: EC directives: 2002/95/EC

Physical properties	Test method	Results	Thermal properties	Test method	Results
Tensile strength	ASTM D 638	11 N/mm <sup>2</sup>	Thermal shock	4 hours at 250°C	
Elongation at break	ASTM D 638	300%	Low temperature hose at - 40°C	ASTM D 2671	No drips No tears
Longitudinal shrinkage	ASTM D 2671	> 15%	Elongation after aging	ASTM D 2671C	Does not tear
Moisture regain	ASTM D570	0.5%	Thermal (168 hours at 175°C)	ASTM D 638	Elongation 250%
Specific gravity	ASTM 972	1.45 g/cm <sup>3</sup>			

Electrical properties	Test method	Results	Chemical properties	Test method	Results
Dielectric strength	ASTM D 2671	15 kV/mm	AMS-DTL-7444 Mold Resistance		Inert
Specific volume resistance	ASTM D 257	1014 ohm cm	Fluid resistance	AMS-DTL-23053/5	Good
			Copper corrosion	ASTM D 2671B	Good
			Resistant to diesel and gasoline		Down

