



## General Description:

Flexible, Flame-Retardant, General Purpose, Polyolefin Tubing

Product Facts

- 1) 2:1 shrink ratio
- 2) Super abrasion and solvent resistance
- 3) Excellent physical, chemical and electrical properties
- 4) Flame-retardant (colours only)
- 5) Wide range of sizes and colours

Operating Temperature Range : -55° to 125°

Specifications / Approvals : UL224 VW-1

## Product Dimensions

Shrink Ratio : 2:1

Size (Inches)	Inside Diameter (mm)		Recovered Wall Thickness	Standard Packing (m / spool)
	As Supplied	Maximum After Recovery		
3/4	1 ±0.2	0.5	0.22 ±0.1	200
1/16	1.5 ±0.3	0.65	0.28 ±0.1	
3/32	2.5 ±0.3	1	0.35 ±0.1	
1/8	3.5 ±0.4	1.5	0.4 ±0.1	
3/16	5 ±0.4	2.3	0.5 ±0.1	100
1/4	6.5 ±0.4	3	0.55 ±0.1	
3/8	9.5 ±0.5	4.5	0.6 ±0.1	
1/2	12.5 ±0.5	6	0.8 ±0.15	
3/4	19 ±0.7	9	0.9 ±0.15	50
1	26 ±0.7	12.5	0.9 ±0.15	
1-1/4	29 ±0.7	14	1 ±0.15	
1-1/2	41.5 ±0.7	20	1 ±0.15	25
2	51 ±0.7	25	1.46 ±0.2	
3	≥80	41	1.46 ±0.2	
4	≥100	51	1.46 ±0.2	

## Ordering Information

- 1) Colour : Standard : Black, white, red, blue, yellow, green, clear  
 Non-standard : Brown, orange, violet, grey
- 2) Size Selection : Always order the largest size that will shrink snugly over the component to be covered  
 Special order sizes are available upon request
- 3) Standard Packaging : On spools or in 1.22-meter (4 -foot) lengths

## Product Properties

- Physical : 1) Tensile Strength : 14.8 Mpa  
 2) Elongation : 460%  
 3) Tensile Strength after aging : 14.5 Mpa  
 4) Elongation after aging : 480%
- Electrical : 1) Dielectric Strength: 17 KV / mm  
 2) Volume Resistance :  $1 \times 10^{15} \Omega \text{ cm}$
- Chemical : Corrosion UL 224 (158C \*168 hours) Pass  
 Copper Stability UL 224 (158C \*168 hours) Pass  
 Flammability UL 224 VW-1 Pass

## Product Properties

Properties (Units)	Test Method	Requirement
<b>Physical:</b>		
Tensile Strength (psi)	ASTM D638	1,500 min.
Elongation (%)	ASTM D638	300 min.
Cold Impact (-55°C)	ASTM D746	No cracking
Heat Shock (250°C, 4 hrs.)	AMS-DTL-23053	No cracking
Secant Modulus (psi)	ASTM D882	25,000 max.
Longitudinal Change (%)	AMS-DTL-23053	±5
<b>Electrical:</b>		
Dielectric Strength (V / m)	ASTM D876	1,500 min.
Volume Resistivity ( $\Omega \cdot \text{cm}$ )	ASTM D876	$1 \times 10^{14}$
<b>Chemical:</b>		
Corrosion	UL 224	No Corrosion
Water Absorption (%)	ASTM D570	2 max.
Fluid Resistance (23°C, 24 hrs.)	-	Good
Flammability	UL 224	Pass

## Part Number Table

Description	Part Number
Heat shrink, 2:1, 38.1 mm, 5 m	15043

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.