

NF201

Very flexible, UL224 flame retardant thin wall heat shrink tubing with excellent physical and mechanical properties. Suitable for general purposes applications such as electrical insulation, strain relief, wire bundling and protection.

Features

1. Flame retardant UL224
2. Shrink ratio 2:1
3. Very good chemical, physical & electrical properties
4. Available in a wide range of colours
5. Shrink temperature > 90°C
6. Operating temperature -55°C to +135°C



SAE-AMS-DTL-23053/5
Class 1 (colours)
SAE-AMS-DTL-23053/5
Class 2 (clear)



UL 224, 125°C
UL cert. E228117***
CSA C 22.2
No. 198.1-98, OFT***

IEC 60684-3-209

***Except colour: clear

Standard packaging

Reel, dispenser box, meter length

Physical properties

Description	Test method	Typical value
Tensile strength	ASTM D 638	13 N/mm ²
Elongation at break	ASTM D 638	350%
Longitudinal change	ASTM D 2671	-5% to +5%
Water absorption	ASTM D 570	0.20%
Specific gravity	ASTM D 792	1.45

Electrical properties

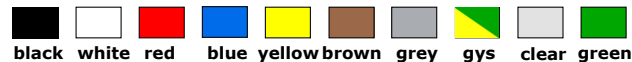
Description	Test method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 ¹⁶ ohm cm

Dimensions

Size inch	Size mm	Min. ID supplied mm	Max. ID recovered mm	Recovered wall thickness (NOM) mm
3/64	1.2	1.2	0.6	0.41
1/16	1.6	1.6	0.8	0.43
3/32	2.4	2.4	1.2	0.51
1/8	3.2	3.2	1.6	0.51
3/16	4.8	4.8	2.4	0.51
1/4	6.4	6.4	3.2	0.64
3/8	9.5	9.5	4.7	0.64
1/2	12.7	12.7	6.4	0.64
5/8*	15.9	15.9	7.9	0.70
3/4	19.1	19.1	9.5	0.77
1	25.4	25.4	12.7	0.89
1 1/4*	31.8	31.8	15.9	0.95
1 1/2	38.1	38.1	19.1	1.02
2	50.8	50.8	25.4	1.14
3*	76.2	76.2	38.1	1.27
4*	101.6	101.6	50.8	1.40

*Non standard sizes (except black)

Standard colours



Non standard colours



Thermal properties

Description	Test method	Typical value
Heat shock 4 hours at 250°C	ASTM D 2671	no dripping, cracking or flowing
Heat aging 168 hours at 175°C	ASTM D 638	elongation 250%
Low temp. flexibility at -55°C	ASTM D 2671 C	no cracking
Flammability	UL224	pass (colours only)

Chemical properties

Description	Test method	Typical value
Chemical resistance	AMS-DTL-23053/5	good
Copper corrosion	ASTM D 2671 B	no corrosion