

# M22129

## NON-SHRINK, POLYTETRAFLUOROETHYLENE TUBING STANDARD WALL (AWG Spaghetti sized tubing)

### Applications

M22129 is a non-shrink, flame retardant polytetrafluoroethylene tube. It is designed for a wide range of applications requiring high heat-resistance.

### Features

- ★ In stock for immediate shipments
- ★ Continuous operating temperature: - 75°C to 260°C
- ★ Flammability: UL VW-1
- ★ Highly heat-resistant
- ★ High resistance to chemicals and oils

### Standard

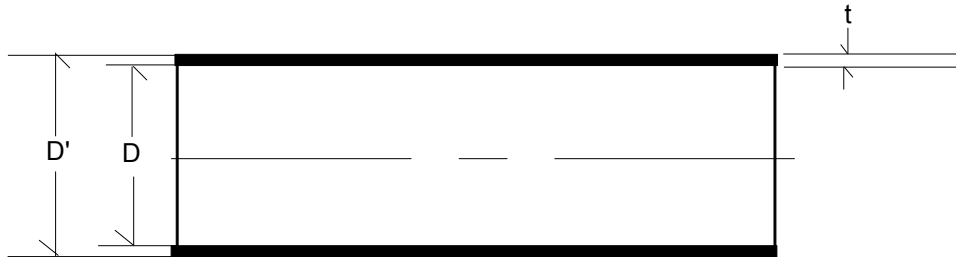
- ★ UL 224 (File Number: E103313)
- ★ MIL-DTL-22129-C
- ★ RoHS Compliant

### Specification Values

	Property	Test Method	Value
Physical	Specific Gravity	ASTM D792	2.13-2.0
	Elongation	ASTM D638	200-450%
	Tensile Strength	ASTM D638	2000-4500 psi
	Flexural Strength	ASTM D790	No break
	Compressive Strength	ASTM D695	3500 psi
	Flexural Modulus	ASTM D790	71000-85000 psi
	Hardness Durometer	ASTM D636	D-50-65
	Abrasion Resistance	Taber	12 (1000 revs)
Electrical	Dielectric Strength	ASTM D149	500 (125 MIL)
		ASTM D149	≥1400 (10 MIL)
	Volume Resistivity	ASTM D257	>10 <sup>18</sup> Ω - cm
	Surface Resistivity	ASTM D257	>10 <sup>17</sup> Ω - cm
General	Chemical/Solvent Resistance	ASTM D543	No corrosion
	Water Absorption	ASTM D570	<0.01
	Deformation Under Load	ASTM D621	No growth
	Flammability Rating	UL 94	VO

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### Product Dimensions

AWG Size	Inside Diameter					
	Internal Diameter Inch (D)		Internal Diameter MM (D)		Total Wall Thickness (t)	
	Min	Max	Min	Max	In	mm
30	.010	.015	.25	.38	.009 ± .002	.229 ± .051
28	.013	.018	.33	.48	.009 ± .002	.229 ± .051
26	.016	.021	.41	.53	.009 ± .002	.229 ± .051
24	.020	.026	.51	.66	.012 ± .002	.304 ± .051
23	.023	.029	.58	.74	.012 ± .002	.304 ± .051
22	.026	.032	.66	.81	.012 ± .002	.304 ± .051
21	.029	.035	.74	.89	.012 ± .002	.304 ± .051
20	.032	.040	.81	.97	.016 ± .003	.406 ± .076
19	.036	.042	.91	1.06	.016 ± .003	.406 ± .076
18	.040	.046	1.02	1.17	.016 ± .003	.406 ± .076
17	.045	.052	1.14	1.32	.016 ± .003	.406 ± .076
16	.051	.058	1.30	1.47	.016 ± .003	.406 ± .076
15	.057	.065	1.45	1.65	.016 ± .003	.406 ± .076
14	.064	.072	1.63	1.83	.016 ± .003	.406 ± .076
13	.072	.081	1.83	2.06	.016 ± .003	.406 ± .076
12	.081	.091	2.08	2.31	.016 ± .003	.406 ± .076
11	.091	.101	2.31	2.57	.016 ± .003	.406 ± .076
10	.102	.112	2.59	2.84	.016 ± .003	.406 ± .076
9	.114	.124	2.90	3.15	.020 ± .004	.508 ± .102
8	.129	.139	3.28	3.53	.020 ± .004	.508 ± .102
7	.144	.155	3.68	3.94	.020 ± .004	.508 ± .102
6	.162	.174	4.11	4.42	.020 ± .004	.508 ± .102
5	.182	.195	4.62	4.95	.020 ± .004	.508 ± .102
4	.204	.218	5.18	5.54	.020 ± .004	.508 ± .102
3	.229	.244	5.82	6.19	.020 ± .004	.508 ± .102
2	.258	.273	6.55	6.93	.020 ± .004	.508 ± .102
1	.289	.305	7.34	7.75	.020 ± .004	.508 ± .102
0	.325	.342	8.26	8.69	.020 ± .004	.508 ± .102