PTFE0T - Teflon®

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

Applications

PTFE0T is a thin wall non-shrink, flame retardant polytetrafluoroethylene tube. It is designed for a wide range of applications requiring high heat-resistance.

Features

★ Continuous operating temperature: -75 °C to +260 °C (-103 °F to +500 °F)
★ Highly heat-resistant
★ High resistance to chemicals and oils

Standards

★ Declared Dimension Life (DDL) - 12 years
★ Meets V-0 Flammability
★ RoHS & REACH Compliant

Specification Values

	Property	Test Method	Value
Physical	Specific Gravity (Max.)	ASTM D792	2.20
	Elongation (Min.)	ASTM D638	200%
	Tensile Strength (Min.)	ASTM D638	2500 psi
	Hardness Durometer	ASTM D2240	D-60
Electrical	Dielectric Strength	ASTM D149	1400 Volts/mil
	Volume Resistivity (Min.)	ASTM D257	$10^{18}\,\Omega \cdot cm$
General	Chemical/Solvent Resistance	-	Excellent
	Water Absorption (Max.)	ASTM D570	0.01
	Flammability Rating	UL 94	V-0

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Product Dimensions

AWG Size	Inside Diameter					
	Internal Diameter in (D)		Internal Diameter mm (D)		Wall Thickness (Nominal) (t)	
	Min	Max	Min	Max	in	mm
32	.007	.011	.180	.280	.009 ± .002	.229 ± .051
30	.010	.015	.254	.381	.009 ± .002	.229 ± .051
28	.013	.018	.330	.480	.009 ± .002	.229 ± .051
26	.016	.021	.410	.560	.009 ± .002	.229 ± .051
24	.020	.026	.510	.670	.010 ± .003	.254 ± .076
23	.023	.029	.584	.740	.010 ± .003	.254 ± .076
22	.025	.032	.640	.810	.010 ± .003	.254 ± .076
21	.029	.035	.740	.890	.010 ± .003	.254 ± .076
20	.032	.040	.813	1.02	.012 ± .003	.305 ± .076
19	.036	.044	.914	1.12	.012 ± .003	.305 ± .076
18	.040	.049	1.02	1.25	.012 ± .003	.305 ± .076
17	.045	.054	1.14	1.37	.012 ± .003	.305 ± .076
16	.051	.061	1.30	1.55	.012 ± .003	.305 ± .076
15	.057	.067	1.45	1.70	.012 ± .003	.305 ± .076
14	.064	.074	1.63	1.88	.012 ± .003	.305 ± .076
13	.072	.082	1.83	2.08	.012 ± .003	.305 ± .076
12	.081	.091	2.06	2.31	.012 ± .003	.305 ± .076
11	.091	.101	2.31	2.57	.012 ± .003	.305 ± .076
10	.102	.112	2.59	2.85	.012 ± .003	.305 ± .076
9	.114	.124	2.90	3.15	.015 ± .003	.381 ± .076
8	.129	.141	3.28	3.58	.015 ± .003	.381 ± .076
7	.144	.158	3.66	4.01	.015 ± .003	.381 ± .076
6	.162	.178	4.11	4.52	.015 ± .003	.381 ± .076
5	.182	.198	4.62	5.03	.015 ± .003	.381 ± .076
4	.204	.224	5.18	5.69	.015 ± .003	.381 ± .076
3	.229	.249	5.82	6.33	.015 ± .003	.381 ± .076
2	.258	.278	6.55	7.06	.015 ± .003	.381 ± .076
1	.289	.311	7.34	7.90	.015 ± .003	.381 ± .076
0	.325	.347	8.26	8.81	.015 ± .003	.381 ± .076

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