



Features/Applications

GREMTUBE® GE91 E is an extruded Polytetrafluoroethylene (PTFE) tubing. GREMTUBE® GE91 E offers high temperature performances up to 260°C, an excellent mechanical, dielectric and chemicals properties with a low friction coefficient. It has a an excellent concentricity with low tolerance. GREMTUBE® GE91 E is suitable for high end, critical applications, typically: military, aerospace and medical sectors when higher properties are required.

Various

Standard colour: Clear.

On request: Special sizes, colours available, USP Class VI certified, etched, UL 224 approved product.

Dimensions

Reference	Inside Diameter (mm)			Wall Thickness (mm)	
GREMTUBE® GE 91 E	Min.	Mon.	Max.	Mon.	Tol.
AWG 32	0,20	0,25	0,30	0,13	± 0,05
AWG 30	0,25	0,30	0,38	0,23	± 0,05
AWG 28	0,33	0,38	0,46	0,23	± 0,05
AWG 26	0,41	0,46	0,53	0,23	± 0,05
AWG 24	0,51	0,56	0,66	0,3	± 0,05
AWG 23	0,58	0,66	0,74	0,3	± 0,05
AWG 22	0,64	0,71	0,81	0,3	± 0,05
AWG 21	0,74	0,81	0,89	0,3	± 0,05
AWG 20	0,81	0,86	0,97	0,41	± 0,08
AWG 19	0,91	0,97	1,07	0,41	± 0,08
AWG 18	1,02	1,07	1,17	0,41	± 0,08
AWG 17	1,14	1,19	1,32	0,41	± 0,08
AWG 16	1,30	1,35	1,47	0,41	± 0,08
AWG 15	1,45	1,50	1,65	0,41	± 0,08
AWG 14	1,63	1,68	1,83	0,41	± 0,08
AWG 13	1,83	1,93	2,06	0,41	± 0,08
AWG 12	2,06	2,16	2,31	0,41	± 0,08
AWG 11	2,31	2,41	2,57	0,41	± 0,08
AWG 10	2,59	2,69	2,84	0,41	± 0,08
AWG 9	2,90	3,00	3,15	0,51	± 0,10
AWG 8	3,28	3,38	3,53	0,51	± 0,10
AWG 7	3,66	3,76	3,94	0,51	± 0,10
AWG 6	4,11	4,22	4,42	0,51	± 0,10
AWG 5	4,62	4,72	4,95	0,51	± 0,10
AWG 4	5,18	5,28	5,54	0,51	± 0,10
AWG 3	5,82	5,94	6,20	0,51	± 0,10
AWG 2	6,55	6,68	6,93	0,51	± 0,10
AWG 1	7,34	7,47	7,75	0,51	± 0,10
AWG 0	8,26	8,38	8,69	0,51	± 0,10

Spools as standard, cut pieces available on request

Property	Values	Test Methods
Physical	Working temperature	-200°C to +260°C
	Melt Temperature	327°C - 342°C
	Tensile strength	≥ 20 MPa
	Elongation at break	≥ 200%
	Coefficient of Friction	0,02 - 0,2
	Conductivity	0,16 - 0,3 W/m-K
	Flammability	Pass
Electrical	Dielectric strength	≥ 7,4 kV/mm
	Volume resistivity	≥ 10 ¹⁴ Ω.cm
Chemical	Resistance	Inert

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed container.

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Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.