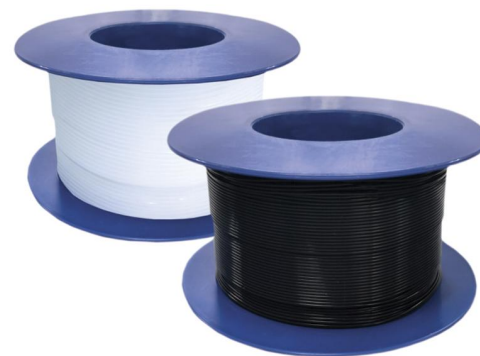




DM-TFE(N)

MECHANICAL & THERMAL PROTECTION

Non-thermal shrinkage PTFE tube



Applications

Suitable for insulation and mechanical protection in harsh chemical and thermal environments, especially for contamination and corrosion prevention of hydraulic pipes and probe heads. Good mechanical strength and very low coefficient of friction minimize damage to precision components such as stressed shafts, its unique high-frequency resistance is widely used in the communications market and field.

Features

High flame retardancy, High heat resistance and High insulation performance;
High frequency resistance;
Excellent resistance to chemical reagents;
RoHS, REACH environmental standards compliant.

Technical Data

Property	Test Method	Technical Data
Specific gravity	ASTM D792	2.16g/cm ³
Tensile strength	ASTM D638	24.5MPa
Ultimate elongation	ASTM D638	350%
Modulus of elasticity	ASTM D790	490MPa
Impact strength	ASTM D256 / 23°C~54°CJ/m	No cracking
Hardness	ASTM D2240	55 Shore D
Flammability	UL-224	VW-1
Dielectric constant at 10 ³ ~10 ⁶ Hz	ASTM D150	2.1
Loss factor at 10 ⁶ Hz	ASTM D150	0.0002
Anti-tracing	ASTM D495	>300S
Volume resistivity	ASTM D257	>1.0×10 ¹⁸ Ω·cm
Weather resistance	"Weather-O-Meter" (2000h)	No cracking
Solvent resistance	ASTM D543	Excellent
Chemical resistance	ASTM D543	Excellent

Dimensions

AWG	Inside Diameter (mm)	S-TYPE		T-TYPE		L-TYPE		Packing Length (Meter/Roll)		
		Wall Thickness (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Outer Diameter (mm)	S-TYPE	T-TYPE	L-TYPE
30	0.30±0.05	0.23±0.05	0.76±0.05	0.23±0.05	0.76±0.10	0.15±0.04	0.60±0.10	305	305	305
28	0.38±0.05		0.84±0.05		0.84±0.10		0.68±0.10	305	305	305
26	0.46±0.05		0.92±0.05		0.92±0.10		0.76±0.10	305	305	305

Dimensions

AWG	Inside Diameter (mm)	S-TYPE		T-TYPE		L-TYPE		Packing Length (Meter/Roll)		
		Wall Thickness (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Outer Diameter (mm)	S-TYPE	T-TYPE	L-TYPE
24	0.56±0.05	0.30±0.06	1.16±0.05	0.25±0.06	1.06±0.10	0.15±0.04	0.86±0.10	305	305	305
23	0.66±0.05		1.26±0.05		1.16±0.10		0.96±0.10	305	305	305
22	0.71±0.05		1.31±0.05		1.21±0.10		1.01±0.10	305	305	305
21	0.81±0.05		1.41±0.05		1.31±0.10		1.11±0.10	305	305	305
20	0.86±0.05	0.40±0.07	1.66±0.05	0.30±0.06	1.46±0.10	0.15±0.04	1.16±0.10	305	305	305
19	0.96±0.05		1.76±0.05		1.56±0.10		1.26±0.10	305	305	305
18	1.07±0.05		1.87±0.05		1.67±0.10		1.37±0.10	305	305	305
17	1.19±0.05		1.99±0.05		1.79±0.10		1.49±0.10	305	305	305
16	1.34±0.05		2.14±0.05		1.94±0.10		1.64±0.10	153	305	305
15	1.50±0.05		2.30±0.05		2.10±0.10		1.80±0.10	153	153	305
14	1.68±0.08	0.40±0.07	2.48±0.08	0.30±0.06	2.28±0.13	0.20±0.05	2.08±0.13	153	153	153
13	1.93±0.08		2.73±0.08		2.53±0.13		2.33±0.13	153	153	153
12	2.16±0.08		2.96±0.08		2.77±0.13		2.56±0.13	153	153	153
11	2.41±0.08		3.21±0.08		3.01±0.13		2.81±0.13	100	153	153
10	2.69±0.08		3.49±0.08		3.29±0.13		3.09±0.13	100	100	153
9	3.30±0.08	0.50±0.07	4.00±0.08	0.38±0.07	3.76±0.13	0.20±0.05	3.40±0.13	100	100	100
8	3.38±0.08		4.38±0.08		4.14±0.13		3.78±0.13	50	50	100
7	3.76±0.08		4.76±0.08		4.52±0.13		4.16±0.13	50	50	50
6	4.22±0.08	0.50±0.07	5.22±0.08	0.38±0.07	4.98±0.13	0.25±0.06	4.72±0.13	50	50	50
5	4.72±0.10		5.72±0.10		5.48±0.15		5.22±0.15	50	50	50
4	5.28±0.10		6.28±0.10		6.04±0.15		5.78±0.15	100	100	100
3	5.94±0.10		6.94±0.10		6.70±0.15		6.44±0.15	100	100	100
2	6.68±0.10		7.68±0.10		7.44±0.15		7.18±0.15	100	100	100
1	7.46±0.10		8.46±0.10		8.22±0.15		7.96±0.15	100	100	100
0	8.38±0.10		9.38±0.10		9.14±0.15		8.88±0.15	100	100	100

*special spool lengths or cut pieces available on request.