HALAR®

FLEXO

- Meets UL 2024
- VW-1, FAR 25 Approved
- **Expands Up To 150%**
- Resists Gasoline And **Engine Chemicals**
- **Cut And Abrasion** Resistant
- **Easy To Install**



Material HT

Ethylene-chlorotrifluoroethylene

Grade

HTN

Monofilament Diameter

.011"

Drawing Number

TF001HT-WD



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www.techflex.com

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk	Shop	Available	Lbs/
		Min	Max	Spool	Spool	Colors	100′
1/8"	HTN0.13	3/32"	1/4"	1,000′	225′	2	0.25
1/4"	HTN0.25	1/8"	7/16"	1,000′	200′	2	0.38
3/8"	HTN0.38	3/16"	5/8"	500′	125′	2	0.86
1/2"	HTN0.50	1/4"	3/4"	500′	100′	2	1.10
3/4"	HTN0.75	1/2"	1 1/4"	250′	75′	2	1.70
1"	HTN1.00	5/8"	1 5/8"	250′	65′	2	2.20
1 1/4"	HTN1.25	3/4"	1 3/4"	250′	50′	2	2.60
1 3/4"	HTN1.75	1 1/4"	2 3/4"	200′	30′	2	4.40
2"	HTN2.00	1 1/2"	3 1/2"	200′	50′	2	4.60

Very Low Outgassing, Self-Extinguishing UL-2024 Plenum Rated Sleeving

HALAR® (HT) self-extinguishing sleeving is used where flammability, high temperature endurance and low outgassing are primary concerns. HT is braided from 11 mil ethylene chlorotriflouroethylene (ECTFE) copolymer monofilament.

Because of its low flame spread and smoke generation properties, HT has received UL 2024 and NFPA 262 plenum listings, UL flame resistance rating of VW-1 and exceeds automotive industry requirements of FMVSS 302, as well as aviation industry requirements of FAR 25.

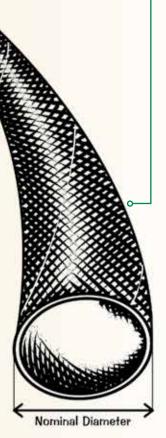
HT resists a wide range of corrosive chemicals and organic solvents, including strong acids, chlorine and aqueous caustics. HALAR® ECTFE also maintains useful properties on exposure to Cobalt 60 radiation at doses up to 200 megarads.

Halar's low outgassing, as well as its heat, chemical and radiation properties, make it ideal for use as a component in technologically advanced applications.

Colors Available:



White with Black Tracer (TW) and Black with White Tracer (TB) **Colors Available:** 2 =TW and TB











Abrasion Resistance Medium

Abrasion Test Machine Taber 5150

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load 500g

Room Temperature 71°F

Humidity **58%**

Material Destroyed 600 Test Cycles

Pre-Test Weight 6,354.9 mg

Post-Test Weight 5,922.8 mg

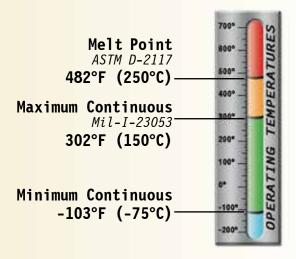
Test End Loss Of Mass Point Of Destruction 432.1 mg



Chemical Resistance

1=No Effect 4=More Affected 2=Little Effect 5=Severely Affected 3=Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water 0-S-1926	1
Hydraulic Fluid MIL-H-5606	1
Lube Oil MIL-L-7808	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	1
Strong Oxidants	1
Esters/Keytones	2
UV Light	1
Petroleum	1
Fungus ASTM G-21	1
Halogen Free	No
RoHS	Yes
SVHC	



PROPERTIES

Monofilament Diameter ASTM D-204	011
Flammability Rating FAR 25, FMVSS-302 Approved	VW-1
Recommended CuttingHot	Knife
Colors	4
Wall Thickness	028
Tensile Strength (Yarn) ASTM D-2256 Lbs	4.3
Specific Gravity ASTM D-792	_1.68
Moisture Absorption % ASTM D-570	02
Hard Vacuum Data ASTM E-595 at 10	-5 torr
TML	18
CVCM	02
WVR	0
Smoke D-Max ASTM E-662	94
Outgassing	_Low
Oxygen Index	64