



Non-Heat Shrinkable

# 7444-1

## Very Low Temperature PVC

### Product Description

Grayline 7444-1 is a flexible polyvinyl chloride tubing designed to remain flexible in very low temperature environments.

This tubing finds uses typically in aircraft and aeronautical devices, but because it is a high quality tubing, it is suitable for any commercial applications which encounter very low temperatures.

### Specifications

Properties listed below meet:

SAE-AMS-I-7444

MIL-I-7444-D: Type I (clear only), Type III, Class I & II

EU Directive 2000/53/EC (ELV)

EU Directive 2002/95/EC (RoHS)

EU Directive 2003/11/EC

### Features

Operating Temperature is  $-68^{\circ}\text{C}$  to  $60^{\circ}\text{C}$

Extreme Low Temperature Flexibility

Highly Flame Retardant

Lead-Free

Fungus Resistant

### Ordering Information

Standard Packaging: Reels or Cut to Customer Specifications

Standard Colors: Black, White & Clear

Special Colors: Available Upon Request

PROPERTY	TESTMETHOD	7444-1 TYPICAL VALUE
Durometer Hardness, Shore A (15 Seconds)	ASTM D412	71
Tensile Strength (psi)	ASTM D412	2100
Elongation (%)	ASTM D412	400
Specific Gravity	ASTM D297	1.18
Brittleness Temperature, Pass $^{\circ}\text{C}$	ASTM D746	-68
Flame Resistance (Average burn time, Sec.)	MIL-I-7444D	4
Dielectric Strength (Volts/Mil)	ASTM D149	500
Heat Aging (as a percent of unaged specimen)	MIL-I-7444D	
Tensile strength (%)		100
Elongation (%)		95

The values listed in this bulletin, to the best of our knowledge are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.

Note: MIL-I-7444 has been replaced by SAE-AMS-I-7444