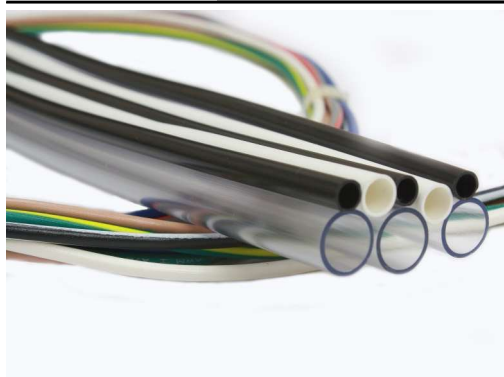




105°C

High Performance PVC Tubing



Product Description

Grayline 105°C is a flexible polyvinyl chloride tubing designed for a wide range of electrical insulating applications. This flame retarded product features wide operating temperature, and outstanding physical and electrical insulating properties.

It is typically used as a wiring harness covering, or as a terminal and splice insulation where low cost, mechanical toughness and flame resistance are important considerations.

Standard Packaging: Reels or Cut to Customer Specifications.

Standard Color: Clear, Black, White, Natural

Custom Sizes & Colors Available Upon Request

Specifications

- UL: 105°C, 300V/600V, VW-1 (File #E40745)
- MIL-I-631, Type F, Form U, Grade C, Class I* & II, Category I.
- ASTM D922, Grade C
- EU Directive 2000/53/EC (ELV)
- EU Directive 2011/65/EU (RoHS2)
- EU Directive 2015/863 (RoHS3)
- FMVSS302

*optional anti-fungal

Features

- Operating Temperature is -30°C to 105°C
- Both 300V and 600V Walls Available
- Highly Flame Retardant
- Low Temperature Flexibility
- Mechanical Strength
- UV Resistant (Optional)
- Low Odor
- Lead Free

PROPERTY	TYPICAL VALUE	TEST METHOD
Durometer Hardness, Shore A/C (10 Seconds)	88/62 Colors 94/69 Clear	ASTM D2240
Tensile Strength (psi)	2,500	ASTM D412
Elongation (%)	280	ASTM D412
Brittleness Temperature, Pass (°C)	-28 Colors -23 Clear	ASTM D746
Heat Aging, 7 Days @ 136°C % of Original Tensile Strength % of Original Elongation	102% 82%	UL 224
Copper Corrosion	None	UL 224
Longitudinal Shrinkage, 2 Hours @ 100°C	Less Than 5%	UL 224
Dielectric Strength (Volts/Mil, .031)	800	ASTM D149
Volume Resistivity (ohm-cm)	1.3x10 ¹⁴	ASTM D257
Low Temperature Flexibility, -30°C	Pass	UL 224

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.