

Smooth Tubing



PVC

The PVC smooth tubing is used to protect from slight shocks, frictions and possible peak temperatures.

It is usually proposed in a non-slit version, unless otherwise requested. It can be delivered inflated so it keeps its round shape.

The PVC smooth tubing is available in many colors, sizes and plastic grades.

Other than standard sizes and colors upon request only.

The PVC smooth tubing is self-extinguishing.

It is a flexible product even at very low temperatures. This tubing does not take up any humidity and is an excellent electrical insulator.

Material

The PVC smooth tubing is available in many PVC grades. A grade may be proposed depending on the temperature application needed: 85°C (T1 class), 100-105°C (T2 class) or 125°C (T3 class).

All PVC grades are self-extinguishing.

Characteristics

Colors: black, translucent (crystal), gray, orange, red, yellow, white, green, blue. A color stripe can be added for material grade identification upon request. Other colors upon request.

Physical properties	Unit	PVC 85°C (T1 class)				PVC 100°C (T2 class)		PVC 125°C (T3 class)
Thermal properties								
Continuous temp. of use	°C (°F)	85 (185)				100-105 (212-221)		125 (257)
Peak temperature	°C (°F)	100 (212)				125 (257)		150 (302)
Low temp. resistance	°C (°F)	-45 (-49)	-40 (-40)	-30 (-22)	-40 (-40)	-40 (-40)	-40 (-40)	-40 (-40)
Mechanical properties								
Hardness	shore	66 A	70 A	80-85 A	87-95 A	81-84 A	87-92 A	80-85 A
Tensile strength at break	MPa	>12	>12	>12	>18	>15	>23	>16
Elongation at break	%	>150	>350	>150	>200	>300	>350	>150
Other properties								
Density	g/cm ³	1.28	1.23	1.27-1.35	1.36-1.39	1.27-1.33	1.35-1.38	1.26

Chemical resistance
Resists the majority of chemicals and automotive fluids
(oils, coolant, battery liquid, brake fluid, fuels, windshield washer...)

Dimensions

Standard sizes are from 2 mm to 40 mm, internal diameter.

Standard thickness dimensions are from 0.4 mm to 2 mm. Other dimensions upon request only.

Approvals

- Direct: Daimler, Fiat, Ford, General Motors, Jaguar/Land Rover, Nissan, Peugeot-Citroën, Renault, Renault Trucks/Volvo Trucks, Volkswagen, Volvo Cars Corp.
- Via Tier-1: Daimler Trucks, Mazda, Suzuki, Toyota.

Packaging

The PVC smooth tubing is delivered in rolls or in cut lengths from 15 to 2,000 mm (other lengths upon request only).

Data and photos for information only. Delfingen makes no warranties as to the accuracy or completeness of this information. Delfingen reserves the right to make changes in materials or processing without notification.

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