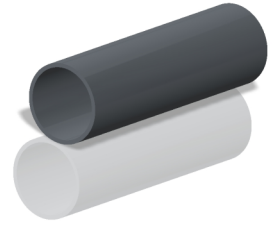


Smooth Tubing



PUR

PUR smooth tubing is made of a polyurethane thermoplastic based material.

PUR smooth tubing is ideal for cable protecting systems and specially designed for the automotive industry: low-adhesion surfaces, excellent hydrolysis resistance, high bending stability, very good cut resistance; it is halogen-free and has high flexibility/elasticity and long durability.

PUR smooth tubing is then well suited for harsh environments where mechanical risks are repetitive and physical properties extremely challenged.

PUR smooth tubing is available in two temperature ranges: a continuous temperature of use of 125°C (T3 version) and a continuous temperature of use of 150°C (T4 version).

It can be delivered slit or non-slit.

Characteristics

Colors: black. Standard PUR tubing has no color stripe, upon request only.

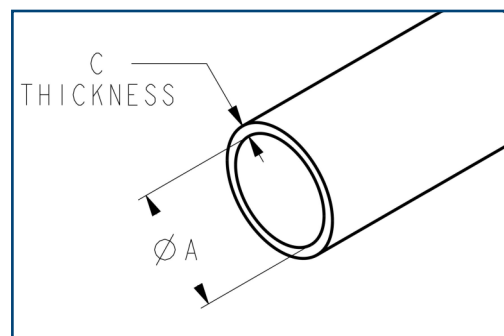
Physical properties	Specification	Unit	Value	
			T3 class	T4 class
Thermal properties				
Continuous temp. of use - min/max (3000h)	-	°C (°F)	-40/125 (-40/257)	-40/150 (-40/302)
Peak temperature (240h)	-	°C (°F)	150 (302)	175 (347)
Mechanical properties				
Tensile strength at break	ISO 53504 ISO 527	MPa	40* -	- 48
Elongation at break	ISO 53504 ISO 527	%	650* -	- 630
Hardness	ISO 868	shore A	87*	85
Other properties				
Density	ISO 1183	g/cm³	1.12*	1.2
Flammability	FMVSS 302	mm/min	<100	<100
Chemical resistance	Resists to the majority of chemicals and automotive fluids (oils, coolant, battery liquid, brake fluid, fuels, windshield washer...)			

* Data given by the material supplier.

Dimensions

Proposed sizes are from 3 to 30 mm, internal diameter (A); thicknesses are from 0.3 to 1 mm (C).
Proposed diameters depend on the requested specification and must be studied by the Engineering Department.

Other dimensions upon request.



Approvals

- Direct: Daimler, Ford, Jaguar/Land Rover, Renault-Nissan, Volvo Cars Corp.
- Via Tier-1: General Motors.

Packaging

PUR smooth tubing is delivered in cut lengths from 35 to 2,000 mm (other lengths upon request only). Rolls can be also proposed, depending on the material grade. Other packaging upon request.

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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