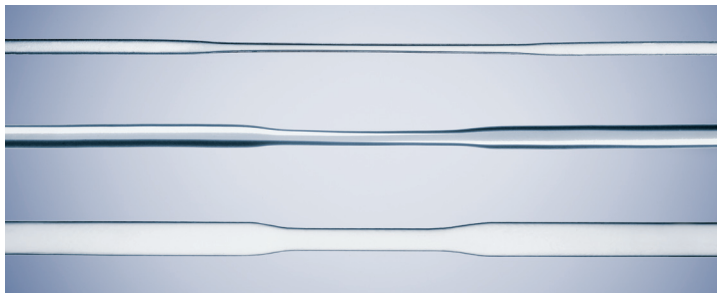




FEP and PTFE Heat Shrink Tubing for Medical Applications



Optinova produces heat shrink tubing in FEP and PTFE. Both materials have low coefficient of friction, good anti-stick surface and high chemical resistance, this makes them ideal for tube joining and forming. FEP has high transparency and very low shrink temperature, from 110 °C - 170 °C adjustable according to customer's request. PTFE is ideal for high temperature applications.

Optinova is certified according to ISO 9001:2000 and ISO 13485:2003 and operates under cGMP guidelines. All our deliveries include Test Report and Certificate of Conformance. The tubing is produced using virgin materials, approved for biocompatibility, i.e. USP class VI. Our production is in clean room environment classified according to ISO 14644 -1, class 6 – 8.



OPTINOVA

PRODUCT CAPABILITIES	FEP	PTFE
ID	0,7 - 5,0 mm 0,028 - 0,200 inch	0,5 - 5,0 mm 0,020 - 0,200 inch
Wall	0,15 - 0,25 mm 0,006 - 0,010 inch	0,1 - 0,3 mm 0,004 - 0,012 inch
Shrink temperature	from 110°C from 230°F	330°C 625°F
Shrink ratio	1,3:1 - 1,6:1	2:1 - 4:1
Shrink length increase	0 - 15%	+/- 12%
Melt temperature	257 - 275°C 495 - 525°F	N/A
Max. service temperature	200°C 390°F	280°C 535°F
Transparency	Very good	Good
Chemical resistance	Very good	Excellent
Sterilization	ETO, Steam	ETO, Steam
Configuration	Transparent Striped or filled with radiopaque filler/ colour	Transparent



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