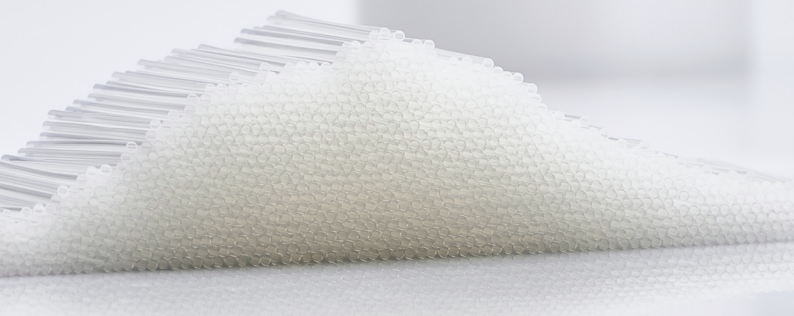




Optinova is the proud owner of the most reliable IV Catheter Tubing solutions in the market. Optinova's IV Catheter Optinfusion™ tubing is made from TPU, FEP and PTFE.

Optinova produces clear, multiple-stripped and fully radiopaque tubing. Optinova tubing is available in all standard sizes and can also be customized to meet specific customer requirements.



Optinfusion™

IV Catheter Tubing

Quality inspection is done at every stage of the extrusion process. Optinova can provide customized testing for consistent tensile strength, elongation and bending ratio. For over 50 years, we have led the industry with quality, innovation and customer experience.

Key features

- Size range: 14-26 G
- Extruded to the tightest tolerances in the industry
- Custom compounding
- Full traceability
- Packaging meeting cleanroom and customer requirements
- Sterilization compatibility: Gas (EtO), Gamma, E-Beam and Autoclave

Why Optinova?

- Knowledge and experience in extrusion since 1971
- Uncompromised quality and highly consistent tubing performance with higher yield
- On-time delivery
- Education in material properties
- Test report, biocompatibility documentation and certificate of compliance for traceability

	Unit	TPU	FEP	PTFE
Density		1.15-1.21	2.15	2.17
Transparency		Good	Very good	Good
Sterilization		EtO, Peroxide	EtO, Steam	EtO, Steam
Environmental				
Water absorption	%	<0.01	<0.01	<0.01
Weather resistance		Excellent	Excellent	Excellent
Chemical resistance		Excellent	Excellent	Excellent
Thermal				
Thermal conductivity	BTU/h/ft/°F	0.32	1.4	1.7
Max service temperature	°C (°F)	80 (176)	200 (390)	260 (500)
Vicat softening	°C (°F)	109 (228)		
Deflection temp (66 psi)	°C (°F)		59 (138)	74 (166)
Mechanical				
Tensile strength at break	MPa	47.5	20-28	20-34
Elongation at break	%	390	300-325	200-400
Flexural Modulus	MPa	172	550-700	275-620
Hardness	Shore D	55-75	55-60	55-65

Note: This table is only meant to serve as a reference and the values are not necessarily typical for any specification. Users should evaluate the material to determine the suitability for their own particular application.

All Optinova IV tubing is produced in Class 8 clean room and certified with ISO 13485 and 9001 quality standards. Optinova is proud to produce tubing with the tightest tolerances in the industry.

Optinova has developed its own in-house compounding technology to secure the best quality of compounds in various materials. Fillers used in Optinova's IV Catheter Optinfusion™ tubing are Barium sulfate (BaSO₄), Tungsten and Bismuth sub-carbonate.

Optinova maintains an open dialogue with customers to be able to provide personalized solutions. Optinova tubing is configured as cut-to-length pieces or spools.