



Braided Tubing for Medical Applications



Optinova produces reinforced tubing in materials such as TPE-A (Pebax®), TPE-U (PUR) and PA. We offer the braided tubing as such or including secondary operations like “overlap” or “butt end” welding of softer material at distal end and smoothly ground surface. Our know-how, engineering expertise and “state of the art” equipment are available for test production of your new designs and applications.

Examples of applications

- Angiography catheter
- Connecting tube
- Diagnostic catheter
- Electrophysiology catheter
- PTA and PTCA guiding catheter

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.

PRODUCT CAPABILITIES

Material Inner Liner

TPE-A (Pebax®)
PE
PA
FEP
PTFE
TPE-U (PUR)

Jacket Material

TPE-A (Pebax®)
PE
PA
TPE-U (PUR)

Filler

BaSO₄
Bi₂O₃
Bi₂O₂CO₃

Dimension

OD Range: 3 Fr - 24 Fr
Wall: 0,15 mm - 0,70 mm

BRAID CONSTRUCTION

Reinforcement types

304SS
316SS
Polyester
Polyamide

Wire Pattern

0 - 130 PPI, (2 over 2), 8, 16 or 32 wires

Wire Dimension

Round: Ø 0,038 - 0,10 mm
0,0015 - 0,004 inch
Flat: 0,013 mm x 0,051 mm
0,0005 x 0,002 inch
0,051 mm x 0,178 mm
0,002 x 0,007 inch

VALUE ADDED

Welding, overlap or butt weld
Welding of one or several non-braided tips with different softnesses
Grinding



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