

PHARMAFOCUS® PREMIUM ASTC UV-SHIELD TUBING



a brand of
FREUDENBERG

UV-shield or opaque tubing is a custom extrusion offered by Freudenberg Medical. It is commonly used in pharmaceutical applications where protection from light, particularly ultraviolet (UV) light, is essential to maintain the integrity and stability of light-sensitive fluids. As with all PharmaFocus® Premium tubing, ASTC UV-Shield Tubing is made with a premium silicone raw material specifically formulated for demanding biopharma applications.

Ideal for photosensitive drugs and light-sensitive fluids, ASTC UV-Shield Tubing is manufactured to your exact specifications (ID/OD sizing and packaging format) and consists of an opaque exterior layer which blocks all light without touching the fluid path.

Typical Applications

- Fluid transfer of photosensitive formulations
- Drug delivery systems
- IVD bag and infusion systems
- Dialysis equipment
- Pharmaceutical packaging & filling
- Nutrient solutions for parenteral nutrition

Advantages of PharmaFocus® Premium

- Cleanroom manufactured in the USA and Germany
- Extractables test results available – BPOG & USP 665
- Versatile processing with cut-to-length and packaging
- Combine with overmolded sanitary ends to produce a final assembly for aseptic transfer

CERTIFICATIONS

Extractables tested per BPOG & USP 665

Meets or exceeds USP Class VI (121 °C, 60 min)

Meets USP 85, 788, 661

Meets or exceeds European Pharmacopeia 3.1.9

Meets ISO 10993

Meets the requirements of FDA 21 CFR 177.2600

Disclaimer: It is the user's responsibility to ensure the suitability and safety of HelixFlex™ tubing for all intended uses and that the materials to be used comply with all applicable medical and biopharmaceutical regulatory requirements. Freudenberg Medical assumes no responsibility for product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

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Silicone Material Mechanical Properties for ASTC

Material	platinum-cured silicone
Color	translucent
Durometer (hardness) Shore A	50 or 65 available
Tensile Strength (psi)	1200 (lower limit)
Elongation %	650 (lower limit)
Modulus at 100% (psi)	50 - 350 upper limit
Tear Strength (lb/in)	180 (lower limit)
Temp Range	-100 °F (-73.3 °C) to 400 °F (204.4 °C)
Sterilization Methods	Gamma, Autoclave

- Gamma Irradiation Range: 25 – 40 kGy
- Shelf Life: 5 years (when stored at ambient temperature and not in direct sunlight), 3 year shelf life if gamma irradiated
- Molding capabilities available for custom applications

Contact us for a quote or validation packet:
www.freudenbergmedical.com/tubing

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