



**TPE tubing** is designed specifically for the most demanding biopharmaceutical applications. It is ideal for use in peristaltic pumps, single-use assemblies, process filling, and sampling devices and is compatible with tube sealers and aseptic tube welders.

CLARIPURE<sup>®</sup>'s TPE is exceptionally clear and has superior mechanical and barrier properties. It has extremely low extractables and is among the purest TPE available today.

### TPE BIOPROCESS TUBING FEATURES

Excellent with Heat Welders/Sealers

Superior Clarity

Excellent Gas Barrier Properties

Low Permeability

Resistant to Acids and Alkaline

Low Platelet Adhesion and Protein Binding

Non-Pyrogenic, Non-Cytotoxic

Non-Hemolytic

Safe Disposal through Incineration

Kink Resistant

Animal Derived Ingredient Free

### Applications:

- Cell Culture Media
- Cell Fermentation
- Reagent Dispensing
- Sterile Fillings
- Peristaltic Pumps
- Pinch Valves
- Diagnostic Equipment

### Agency Ratings:

- USP Class VI
- ISO 10993 Part (S) 4/5
- REACH Compliant
- RoHs Compliant

### Sterilization:

- Gamma Irradiation
- ETO
- Autoclave

## AVAILABLE SIZES

ID	OD	Wall
1/8"	1/4"	1/16"
3/16"	5/16"	1/16"
3/16"	3/8"	3/32"
1/4"	3/8"	1/16"
1/4"	7/16"	3/32"
1/4"	1/2"	1/8"
5/16"	7/16"	1/16"
5/16"	1/2"	3/32"
3/8"	1/2"	1/16"
3/8"	9/16"	3/32"
3/8"	5/8"	1/16"
1/2"	3/4"	1/8"
5/8"	7/8"	1/8"
3/4"	1"	1/8"
3/4"	1 1/8"	3/16"
1"	1 1/4"	1/8"
1"	1 3/8"	3/16"

Available in 50 and 100 foot lengths, custom packaging available upon request.



## PROPERTIES

Physical	Typical Value (English)	Typical Values (SI)	Test Method
Specific Gravity	0.89	0.888	ASTM D792
Hardness (Shore A, at 10 Sec)	68	68	ASTM D2240
<b>Tensile Stress 2,3</b>			
100% Strain, 73 °F (23 °C)	390 psi	2.69 MPa	ASTM D412
300% Strain, 73 °F (23 °C)	660 psi	4.55 MPa	ASTM D412
Tensile Strength 2,3 (Break 73 °F (23 °C))	870 psi	6.00 MPa	ASTM D412
Tensile Elongation 2,3 (Break 73 °F (23 °C))	510%	510%	ASTM D412
<b>Compression Set</b>			
72 °F (22°C), 22.0 Hours	17%1	7%	ASTM D395B
158 °F (70 °C) 22.0 Hours	58%	58%	ASTM D395B
212 °F (100 °C) 22.0 Hours	69%	69%	ASTM D395B

This information provided by CLARIPURE® is deemed to be accurate; however, it should be used only as a general reference to aid in product selection. Please note: a material's properties may be affected greatly by temperature, operating pressure, concentration, and the presence of other chemicals. Ultimately, the consumer must determine the compatibility of any material based on tests done under their particular process conditions.