

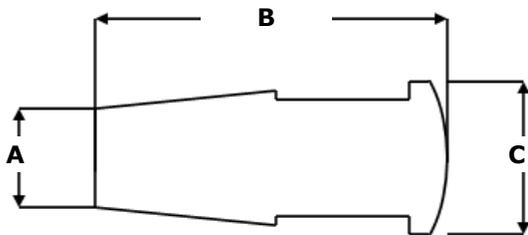
Sani-Plugs

Non-Metallic Sanitary Tubing Plugs



Sani-Plugs provide a superior seal to tubing through a single-barb construction. Tubing clamps secure to the fittings behind the barbed area, which limits the risk of tubing being cut from a sharp, barbed edge and provides for attachment to a smooth surface.

Sani-Tech West provides a full line of Sani-Plug Monobarb Sanitary Tubing Plugs of all sizes in polypropylene as well as a broad line of flexible tubing formulations that are ideally suited for use in conjunction with these sanitary tubing plugs. Contact us today for your specified sanitary applications.



Sani-Plug Sizing & Ordering

Size	'A'	'B'	'C'	Part #
3/8"	.375"	1.5"	.5"	TTUB-PL06
1/2"	.5"	1.5"	.75"	TTUB-PL08
5/8"	.625"	1.5"	.875"	TTUB-PL10
3/4"	.75"	1.5"	1.0"	TTUB-PL12

See next page for Polypropylene Material Data Properties

BIOPHARMACEUTICAL PRODUCTS

Sani-Plugs are designed for use with flexible tubing in low-pressure applications.

Features/Benefits

- **Smooth Surface Limits Particle Entrapment**
- **Monobarb Design Helps to Ensure Secure Tubing Seals**
- **One-Piece Construction Minimizes Risk of Leakage**
- **Produced from Polypropylene, meets USP Class VI**

Typical Applications

- **Media Mixing Containers**
- **Bioprocess Containers**
- **Filtration and Purification Systems**
- **Flexible Packaging Systems**

Typical Properties	Polypropylene
Physical	
Density -Specific Gravity (ASTM D 792) (Method B)	0.900 sp gr 23/23°C
Melt flow rate (ASTM D 1238) (230°C/2.16kg)	4.00 g/10 min
Mechanical	
Tensile Strength @ Yield (ASTM D 638)	
(2 in/min)	4000 psi
(50 mm/min)	28 MPa
Flexural Modulus (ASTM D 790)	
(0.05 in/min, 1% Secant, Procedure A)	180000 psi
(1 mm/min, 1% Secant, Procedure A)	1240 MPa
Tensile Elongation @ Yld (ASTM D 638)	8.0 %
Impact	
Notched izod impact (ASTM D 256)	
(73 °F, Method A)	1.9 ft-lb/in
(23 °C, Method A)	101 J/m
Hardness	
Rockwell R (ASTM D 785)	82
Shore D	72
Thermal	
DTUL @66psi - Unannealed (ASTM D 648)	91 °C
Melting Temperature °F (°C)	340°F (171°C)
Heat Deflection	
°F (°C) @66 psi	185°F (84°C)
°F (°C) @264 psi	135°F (57°C)
Autoclavable	Yes to 240° F (115°C)
Approvals	FDA 21 CFR 177.1520, USP VI, USDA, 3A
Additional Properties	
Refractive Index (nD)	1.49
Water Absorption (in 24 hrs, %)	0.01
Drop Weight Impact Strength, Basell Test Method, -29°C	26 ft-lbs