

# PERISTALTIC TUBE

## SANTOPRENE®



### Description:

A colorable thermoplastic general purpose elastomer with good fluid resistance, formulated to replace thermoset elastomers such as EPDM, polychloroprene, and chlorosulfonated polyethylene. It can be processed using injection molding, extrusion, blow molding or other melt processing techniques.

It will not weaken or crack after years of exposure to heat and ozone, providing long service in a wide range of applications such as gasketing, abrasion-resistant sleeving and cable insulation.



### Main Features and Benefits:

- UL yellow card listed, UL 94 HB flame rating
- Continuous temperature rating 1000 hrs. @ 135°C (275°F)
- Excellent flex fatigue resistance
- Excellent ozone and UV light resistance
- Abrasion Resistant
- Excellent resistance to alkaline products
- Low gas permeability versus rubber tubing

### Typical Applications:

- Detergent and disinfectant dispensing
- Swimming pool water treatment
- Caustic dispensing
- Plating and etching chemicals
- Sterile filling and processing

AVAILABLE SIZES			TYPICAL PHYSICAL PROPERTIES	
<b>ID (mm)</b>	<b>OD (mm)</b>	<b>MAX WORKING PRESSURE (bar)</b>	Hardness Shore A, 15 sec, 73°F	59
3,0	7,0	1,5	Color	Natural Opaque
3,2	6,4	1,5	Tensile Strength, psi (Mpa)	638 (4,4)
4,8	8,0	1	Ultimate elongation, %	400
6,0	9,0	1	Tear Resistance @23°C, in (kN/m)	108 (19)
6,4	9,6	1	Specific Gravity	0,970
6,25	10,55	1	Water Absorption, % 24h 23°C	0,06
6,4	12,7	0,1	Compression Set Constant Deflection, % @ 70°C in 22 h	22
			Brittle Temperature, °C	-60
			Maximum Recommendend Operating T, °C	135
			Dielectric Strength, v/mil (kV/mm)	820 (32)
			Tensile Modulus @100% Elongation, psi (Mpa)	305 (2,1)