

# Datasheet

## Santoprene transparent Process Tubing, 4.8mm Bore Size , 3m Long , Food Grade, Peristaltic Pump Compatible

RS Stock number 667-8422



### FOOD GRADE THERMOPLASTIC VULCANIZATE

Unmatched resistance to wear and abrasion. It is therefore ideally suited for use on Peristaltic Pumps, where its greatly extended pumping life results in cost savings in both tubing expenditure and pump 'down time'.  
Manufactured from a low-toxic/medical grade material. This tubing will withstand sterilisation.

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL VALUE</u>	<u>TEST BASED ON</u>
s.g.	0.920	ASTMD 792
DENSITY	0.920 g/cm <sup>3</sup>	ISO 1183
SHORE A Hardness	68A	ISO868
TENSILE STRESS 100%	2,60MPa	ISO37
TENSILE STRENGTH@ BREAK	7,10MPa	ISO37
ELONGATION @ BREAK	480%	ISO37
TEAR STRENGTH	21KN/m	ISO34-1
BRITTLENESS TEMP	-60°C	ISO812
VOLUME RESISTIVITY 23°C, 2.03 mm	1.0E+16 ohm.cm	ASTMD257
DIELECTRIC STRENGTH 2.03 mm 3,30 mm	29Kv/mm 25Kv/mm	ASTMD150
DIALECTRIC CONSTANT 23°C, 1.98 mm	2.50	ASTMD150



**Resistance rating**

Resistant	1
Fairly resistant	2
Not resistant	3
Not enough data known	-

**Materials**

Polyvinylidene fluoride	PVDF	Pump Heads, valves, fitting, tubing
Polypropylene	PP	Pump Heads, valves, fitting, level floater
PVC	PVC	Pump Heads
Stainless steel	SS 316	Pump Heads, valves
Polymethyl Metacrilate (Acrylic)	PMMA	Pump Heads
Hastelloy C-276	Hastelloy	Injection valve spring
Polytetrafluoroethylene	PTFE	Diaphragm
Fluorocarbon (Viton® B)	FPM	Sealings
Ethylene propylene	EPDM	Sealings
Nitrile	NBR	Sealings
Polyethylene	PE	Tubing
Santoprene	Santoprene	Squeeze Tubes