

# Tygon S-50-HL

Polyvinyl Chloride  
Saint Gobain - Norton

Message:

Tygon S-50-HL is a Polyvinyl Chloride product. It is available in North America. Applications of Tygon S-50-HL include medical/healthcare and hose/tubing.  
Characteristics include:  
Low to No Odor/Taste  
Non-Toxic

General Information			
Features	Low to No Odor		
	Low to No Taste		
	Non-Toxic		
Uses	Medical/Healthcare Applications		
	Tubing		
Agency Ratings	USP Class VI		
Appearance	Clear/Transparent		
Forms	Tubing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.14	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.8	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set	41	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	73.9	°C	ASTM D794
Brittleness Temperature	-48.3	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	24	kV/mm	ASTM D149

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