

# Tygon R-1000

Polyvinyl Chloride  
Saint Gobain - Norton

Message:

Tygon R-1000 is a Polyvinyl Chloride product. It is available in North America. Typical application: Hose/Tubing.  
Characteristics include:  
Corrosion Resistant  
Low to No Odor/Taste

General Information			
Features	Good Corrosion Resistance		
	Low to No Odor		
Uses	Tubing		
Appearance	Clear/Transparent		
Forms	Tubing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm³	ASTM D792
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.27	MPa	ASTM D638
Tensile Elongation (Break)	380	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set	52	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	51.7	°C	ASTM D794
Brittleness Temperature	-75.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149

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