

PRIMELINE INDUSTRIES

Natural Rubber Latex Tubing Specification Sheet

CHEMICAL RESISTANCE:

Strong Alkalies	Fair
Weak Alkalies	Good
Strong Acids	Poor
Weak Acids	Good
Petroleum	Poor

PHYSICAL PROPERTIES:

Tensile Strength (psi)	3500 min.
Ultimate Elongation	750% min.
Hardness (Shore A)	35 ± 5
100% Modulus (psi)	125 max.
Specific Gravity	0.97 max.

OZONE RESISTANCE: Poor

UV RESISTANCE: Fair

LOW TEMPERATURE FLEX:

Brittle	-67°F
Flexible	0°F

RECOMMENDED STERILIZATION:

Steam Autoclave 30 minutes @15 psi
Ethylene Oxide

PROTEIN IN NATURAL RUBBER:

Less than 50 micrograms/gram. Fifty
ug/g is detection limit of ASTM D5712-05.

MAXIMUM RECOMMENDED OPERATING TEMPERATURE: 212°F Intermittent - 158°F Continuous

Primeline's natural rubber latex tubing meets or exceeds the physical properties of Commercial Item Description A-A-52047C Type I Class 1, 2, and 3, Type III, Type IV, and Type V Class 1, 2, and 3 which replaced Federal Specification ZZ-T-831D.

Primeline's amber natural rubber latex tubing is in compliance with USP Biological Classification IV.

Standard Tolerances:

Inside diameter, ± 0.015 inch on sizes up to 3/8 inch,
proportionately greater on larger sizes.

Wall thickness, 1/32 inch and 3/64 inch ± 0.007 inch.
1/16 inch and 5/64 inch ± 0.010 inch.
3/32 inch and 1/8 inch ± 0.015 inch.
Wall thickness greater than 1/8 inch are gauged on the
outside diameter tolerance.

Primeline offers natural rubber latex tubing in sizes which range from 1/16 inch inside diameter (ID) x 1/32 inch wall to 1 inch ID x 1/4 inch wall.

Primeline Industries supports the world-wide goal to eliminate the use of ozone depleting chemicals. We do not knowingly use a Class I or Class II ozone depleting chemical as identified in the U.S. Clean Air Amendments of 1990 in the manufacturing process of our natural rubber latex tubing.

4083 Embassy Parkway, Akron, Ohio 44333, Tel: 330-668-6555 FAX: 330-668-6510
Visit our website at: <http://www.primelineindustries.com>
info@primelineindustries.com