



# EXCELON TE BEVERAGE TUBING TECHNICAL SERVICE REPORT



Physical Property	Test Method	THERMO B110065 FORMULATION	TYGON B-44-3 FORMULATION
Durometer (Shore A, 10 second delay)	D2240-03	63	63
Color	Visual	Clear	Clear
Specific Gravity	D792-00	1.17	1.20
Tensile Strength (psi)	D638	1,800	2,300
Elongation at Break, %	D638	370	410
Tear Resistance (lb-ft/inch)	D1004-03	175	180
Water Absorption, % 24 hrs @ 23C	D570-98		0.13
Compression Set % @ 158F for 22 hrs	D395-03 Method B	65	65
Brittleness By Impact Temperature, F	D746-98	-45	-49
Max. Recommended Operating Temperature, F	-	165	165
Tensile Set, %	D412-98	80	81
<b>Meets NSF-51 Standards</b>	-	<b>YES</b>	<b>YES</b>
Comparative Leachable Test Results Ion Chromatography per ASTM D4327	Flouride	< 10 ppm	< 10 ppm
	Chloride	< 10 ppm	< 10 ppm
	Bromide	< 10 ppm	< 10 ppm
	Sulfate	< 10 ppm	< 10 ppm
<b>Meets FDA Code of Federal Regulations Part 175.300 Criteria &amp; 3A Dairy</b>	-	<b>YES</b>	<b>YES</b>