



# EXCELON TE FOOD & DAIRY TUBING



## TECHNICAL SERVICE REPORT

Physical Property	Test Method	THERMO B920011 FORMULATION	TYGON B-44-4X FORMULATION
Durometer (Shore A, 10 second delay)	D2240-03	65	65
Color	Visual	Clear	CLEAR
Specific Gravity	D792-00	1.17	1.21
Tensile Strength (psi)	D638	1,800	2,100
Elongation at Break, %	D638	370	450
Tear Resistance (lb-ft/inch)	D1004-03	175	200
Water Absorption, % 24 hrs @ 23C	D570-98		0.15
Compression Set % @ 158F for 22 hrs	D395-03 Method B	65	62
Brittleness By Impact Temperature, F	D746-98	-45	-47
Max. Recommended Operating Temperature, F	-	165	165
Dielectric Strength. v/mil	D149-97		518
100% Tensile Modulus (psi)	D638		1,760 (@ 200%)
Tensile Set, %	D412-98	80	78
<b>Meets NSF-51 Standards</b>	-	<b>YES</b>	<b>YES</b>
<b>Comparative Leachable Test Results Ion Chromatography per ASTM D4327</b>	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 Standards</b>	-	<b>YES</b>	<b>YES</b>