



EXCELON TE – EXCELPRENE FOOD GRADE TPE TUBING



TECHNICAL SERVICE REPORT

Physical Property	Test Method	THERMO B227164 FORMULATION	NORPRENE A-60-F FORMULATION
Durometer (Shore A, 10 second delay)	D2240-03	64	61
Color	Visual	Cream	Cream
Specific Gravity	D792-00	0.97	0.98
Tensile Strength (psi)	D638	960	1,000
Elongation at Break, %	D638	490	375
Tear Resistance (lb-ft/inch)	D1004-03	131	120
Water Absorption, % 24 hrs @ 23C	D570-98		0.30
Compression Set % @ 158F for 22 hrs	D395-03 Method B	18	27
Brittleness By Impact Temperature, F	D746-98	-75	-75
Max. Recommended Operating Temperature, F	-	275	275
Dielectric Strength. v/mil	D149-97	TBD	535
100% Tensile Modulus (psi)	D638	377	410
Tensile Set, %	D412-98		47
Comparative Peristaltic Pump Tubing Life - 1/4" x 3/8" Tube @ 10 psi Back Pressure	Hours to Failure	1,000 +	1,000 +
Meets NSF51, FDA Code of Federal Regulations Part 177.2600 & 3A Dairy Criteria	-	YES	YES