



# EXCELON TE FUEL & LUBRICANT TUBING



## TECHNICAL SERVICE REPORT

Physical Property	Test Method	THERMO B921070 FORMULATION	TYGON F-4040-1 FORMULATION
Durometer (Shore A, 10 second delay)	D2240-03	57	57
Color	Visual	TRANSLUCENT YELLOW	TRANSLUCENT YELLOW
Specific Gravity	D792-00	1.23	1.26
Tensile Strength (psi)	D638	1,700	1,820
Elongation at Break, %	D638	360	310
Tear Resistance (lb-ft/inch)	D1004-03	2,000	167
Water Absorption, % 24 hrs @ 23C	D570-98		0.49
Compression Set % @ 158F for 22 hrs	D395-03 Method B	69	65
Brittleness By Impact Temperature, F	D746-98	-35	-35
Max. Recommended Operating Temperature, F	-	165	165
Dielectric Strength. v/mil	D149-97		403
100% Tensile Modulus (psi)	D638	900	910
Tensile Set, %	D412-98	48	50
Fuel Permeation Rate gm/m <sup>2</sup> /24 hrs Unleaded Alcohol Free 87 Octane Gasoline	SAE J1527		70