

TUBING

400/461

HIGH TEMPERATURE VINYL TUBING

PRODUCT DESCRIPTION

Natvar 400/461 tubing is a specially formulated polyvinyl chloride tubing designed for continuous 105C operating and VW-1 flammability standards.

PRODUCT ADVANTAGES

Only one tubing is necessary for both military and commercial applications. Heat and oil resistance are combined with flame and fungus resistance. Electrical properties are relatively unaffected by normal operating temperatures or high humidity.

Natvar 400/461 tubing meets UL-224, MIL-I-631 and ASTM D-922 for continuous operation at 105C.

PRODUCT APPLICATIONS

Natvar 400/461 tubing protects terminal connections, lead wires, components and soldered joints. Natvar 400/461 tubing is available to meet UL300 and UL600 volt rating. For extra ruggedness and reliability Natvar 400/461 is also available in .031" heavy wall construction.

Where end closures are needed, Natvar tubing can be sealed to form a cap. Sealed caps and tubing can be solvent dilated for tight, smooth fit.

Natvar 400/461 tubing is recognized by Underwriters Laboratories under File Card #E-15069 as extruded tubing, electrical, 105°C, VW-1, and certified as 105°C, tubing, insulating, under CSA File Card #27558.

TYPICAL PROPERTIES

Property	Test Method	Typical Values
Tensile Strength, p.s.i.	ASTM D-876	2800
Elongation, %	ASTM D-876	300
Dielectric Strength, V/M @ .020"	MIL-I-631	800
Vol. Resistivity, ohm-cm	MIL-I-631	10 ¹³
Flame Resistance, Sec.	MIL-I-631	5
Cold Brittleness, °C	MIL-I-631	-20
Oil Resistance, % Ret.	ASTM D-922	95
Corrosive Effect, % Δ	MIL-I-631	0
Corrosion	UL-224	None
Fungus Resistance, Rating	MIL-I-631	0



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