



NEPTAPE® Preliminary Data Sheet

Reinforced Shielding Tape

NEPTAPE® 7788TZ

Construction: 0.0014" (36μ) (1 oz.) ED copper with tin plating both sides
0.001" (25μ) ETFE

Description: Reinforced copper shielding tape designed for ribbonized organized wiring systems.

Benefits: Tear resistant shielding tape which will not degrade when exposed to aircraft fluids or salt spray. For ease of termination, this product can also be soldered directly to ground.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0026 inches	66 microns	ASTM D374
Yield	13.9 ft ² /lb 5.99 lbs/mft @ 1" wide	2.85 m ² /kg 3.51 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	30,800 psi	212 MPa	Calculated
Break Strength	80 lbs/in width	140 N/10mm width	ASTM D882
Elongation at Break	14%	14%	ASTM D882
Interlayer Bond	10 oz/in min.	112 g/cm min.	NEPTCO TM-023
Temperature Rating	302°F (continuous)	150°C (continuous)	
Tear Resistance TD	8 lbs. min.	36 N min.	ASTM D1004-94A
Solder Test	15 seconds @ 375°F	15 seconds @ 190°C	NEPTCO TM-161
Salt Spray	500 hours		ASTM B117
Fluid Resistance	Per Table Below		NEPTCO TM-097
Identification	Permanent marking @ 12 inch intervals		Mil-Std-130

PLEASE SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

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FLUID RESISTANCE

<u>Test</u>	<u>Fluid</u>	<u>Temperature</u>	<u>Duration</u>
1	Mil-H-83282 hydraulic oil	150°F	8 hours
2	JP-5 jet fuel or equivalent	75°F	8 hours
3	DOD-L-85734 transmission oil	180°F	8 hours
4	Mil-L-23699 engine oil	250°F	8 hours
5	Mil-H-5606 hydraulic oil	150°F	8 hours

SPOOL DIMENSIONS*

Flange Diameter	Drum Diameter	Arbor Hole Diameter	Drive Hole Diameter	Drive Hole Location	Drum Width
14" max	5.5"	1.5"	.78"	2" from center	Varies w/tape width

***18" width is shipped on 3" cores**

ASTM Test Methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request.



The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Specification data can be provided upon request.

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