



## SHIELDING TAPE - Standard Foil/Film/Foil Laminates

### NEPTAPE® 1142

**Construction:** 0.0007" (18 $\mu$ ) 0.5 ounce electrodeposited copper foil  
0.00092" (23 $\mu$ ) polyester film  
0.0007" (18 $\mu$ ) 0.5 ounce electrodeposited copper foil

**Description:** High strength dual copper laminate typically used as a salt corrosion resistant shield in military or shipboard designs.

Typical Properties	US Customary	Metric	Test Method
Thickness:	0.0025 inches	64 microns	ASTM D374
Yield	14.3 ft <sup>2</sup> /lb 5.83 lbs/mft @ 1" wide	2.93 m <sup>2</sup> /kg 3.41 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	32,000 psi	221 MPa	Calculated
Break Strength	80 lbs/in width	140 N/10mm width	ASTM D882
Elongation at Break	10%	10%	ASTM D882
Dielectric Strength of Film	4.0 kV	4.0 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	5.38 g/cm <sup>3</sup>	Calculated
Electrical Resistance	7 $\Omega$ /mft @ 1" wide	58 $\Omega$ /km @ 10mm wide	Supplier Data
Colors	Natural/Clear		
Splice Type	#13, max. 5/pad for < 22" OD or max. 6/pad for > 22" OD Max. 1/1000' for traverse packages		
Standard Pad Put-ups	Core ID - 3" or 6" Pad OD - 12" or 18"		
Standard Traverse Put-ups	3" x 5.75" x 3.5" - narrow slit material 3" x 11" x 3"		

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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