



Foil Free Edge Shielding Tapes

NEPTAPE® KN1141

Construction: 0.00100" (25μ) "wide" polyimide film (foil free edge)
0.00100" (25μ) polyimide film
0.00035" (9μ) aluminum foil

Description: Three ply high temperature tape with a film layer which overlaps the foil, combining the attributes of a standard shielding tape with a core binder in typical applications such as process control cable.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0026 inches	66 microns	ASTM D374
Tensile Strength	30,500 psi	210 MPa	Calculated
Break Strength	80 lbs/in width	139 N/10mm width	ASTM D882
Elongation at Break	90%	90%	ASTM D882
Dielectric Constant of Film	3.9 (dimensionless)	3.9 (dimensionless)	Vendor Data
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Calculated
Colors	Golden Orange		
Splice Type	#28 Film, #12 Finished Product 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" Pad OD - 12" or 18"		
Standard Traverse Put-ups	3" x 11" x 3"		

PLEASE SEE REVERSE SIDE FOR YIELD INFORMATION

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Yield: Below are the most popular widths for KN1141. Other aluminum and foil free widths are available upon request. Foil free edges may be ordered in increments of 0.062" (1.6 mm).

<u>Width</u>				<u>Yield</u>	
<u>Foil</u>		<u>Outer Film</u>			
<u>inch</u>	<u>mm</u>	<u>inch</u>	<u>mm</u>	<u>lbs/mft</u>	<u>kgs/km</u>
0.2500	6.4	0.3750	9.5	0.51	0.75
0.3750	9.5	0.5000	12.7	0.72	1.08
0.5000	12.7	0.7500	19.1	1.01	1.51
0.5000	12.7	0.6250	15.9	0.94	1.40
0.5625	14.3	0.6875	17.5	1.05	1.56
0.6250	15.9	0.8750	22.2	1.23	1.83
0.6250	15.9	0.7500	19.1	1.15	1.72
0.6875	17.5	0.8125	20.6	1.26	1.88
0.7500	19.1	0.8750	22.2	1.37	2.04
0.7500	19.1	1.0000	25.4	1.45	2.15
0.8750	22.2	1.1250	28.6	1.66	2.47
1.0000	25.4	1.2500	31.8	1.88	2.79
1.1250	28.6	1.3750	34.9	2.09	3.11
1.5000	38.1	1.7500	44.5	2.74	4.08
1.7500	44.5	2.0000	50.8	3.17	4.72
2.0000	50.8	2.2500	57.2	3.60	5.36
2.7500	69.9	3.0000	76.2	4.90	7.29

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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