

A Formula for Computing the Gap Size in an Insulation Wrapping for Different Percentage Overlap

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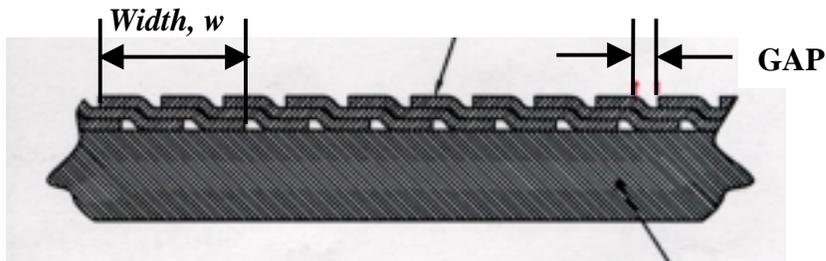
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Let x be the % overlap of an insulation wrapping of width w .

Then, $y = (1-x)$ is the % that is not overlap.

Let N be the effective number of insulation layers buildup. Then N is the minimum integer such that $N * y \geq 1$.

The gap in the insulation wrapping can then be obtained as $(N * y - 1)$ times the width (w) of the tape.



% overlap, x	% not overlap, y	N	$N * y$	Gap $(N * y - 1) * w$
0.25	0.75	2	1.5	$0.5 * w$
0.40	0.6	2	1.2	$0.2 * w$
0.45	0.55	2	1.1	$0.1 * w$
0.60	0.40	3	1.2	$0.2 * w$
0.65	0.35	3	1.05	$0.05 * w$
0.70	0.30	4	1.2	$0.2 * w$
0.75	0.25	4	1.0	0
0.85	0.15	7	1.05	$0.05 * w$

