

Product Availability

Roll Materials



Thermaphase, Thermafoil, FSF Rolls

Part Numbering System for Rolls having substrates (for example Kapton, Aluminum, Mylar, Silver)

Example:

R1K5F1/1NZX*304-154

R=Roll
1=1 mil thick substrate
K=Kapton material
5=52c phase change material
F=Type of compound used to coat substrate (regular FSF)
1/1=1 mil thickness of the coating on each side of the substrate
N=No adhesive required
Z=No protective layer needed
X=Thickness of protective layer
*=Represents the beginning of the size of roll requested
304=Width of roll in mm
154=Length of roll in meters

Description Rolls of Thermaphase compound Kapton Substrate

Standard Compound Thickness: 1 mil

Note: On special order we can make the Thermaphase coating from 0.5mils up to 10 mils thick. We can make the thickness different on each side (for example 1

mil thick on one side, 3 mils thick on the other.) This is very useful if using a smooth component on one side of the interface, and a rough heat sink on the other side.

Standard Kapton Substrate Thickness: 1 mil, 2 mil, and 3 mil.

Note: The thicker the Kapton substrate the higher the dielectric strength, but thicker Kapton means higher thermal resistance and higher cost.

Standard Roll Sizes:

Standard Roll Widths: 304mm (12 inches)
Standard Roll Lengths: 153 meters (500ft)

OPTIONS:

- A) These rolls are also available with a kiss-cut interleave. The Thermaphase on Kapton is wound with a Release liner to which the Thermaphase/Kapton adheres. Parts can be kiss cut on this release liner, the scrap removed. To use the parts, you simply peel them from the release liner.

Standard Rolls of Thermaphase 52°C on Kapton

Part no.	Kapton mils	Width /Length	Coat side 1	Coat Side 2
R1K5F1/1NZX*304-154	1 mil	12" 500ft	1 mil	1 mil
R2K5F1/1NZX*304-154	2 mil	12" 500ft	1 mil	1 mil
R3K5F1/1NZX*304-154	3 mil	12" 500ft	1 mil	1 mil

Standard Rolls of Thermaphase Tacky2 71°C on Kapton

Part no.	Kapton mils	Width /Length	Coat side 1	Coat Side 2
R1K7T1/1NZX*304-154	1 mil	12" 500ft	1 mil	1 mil
R2K7T1/1NZX*304-154	2 mil	12" 500ft	1 mil	1 mil
R3K7T1/1NZX*304-154	3 mil	12" 500ft	1 mil	1 mil

Standard Rolls of Thermaphase 98°C on Kapton

Part no.	Kapton mils	Width /Length	Coat side 1	Coat Side 2
R1K9F1/1NZX*304-154	1 mil	12" 500ft	1 mil	1 mil
R2K9F1/1NZX*304-154	2 mil	12" 500ft	1 mil	1 mil
R3K9F1/1NZX*304-154	3 mil	12" 500ft	1 mil	1 mil