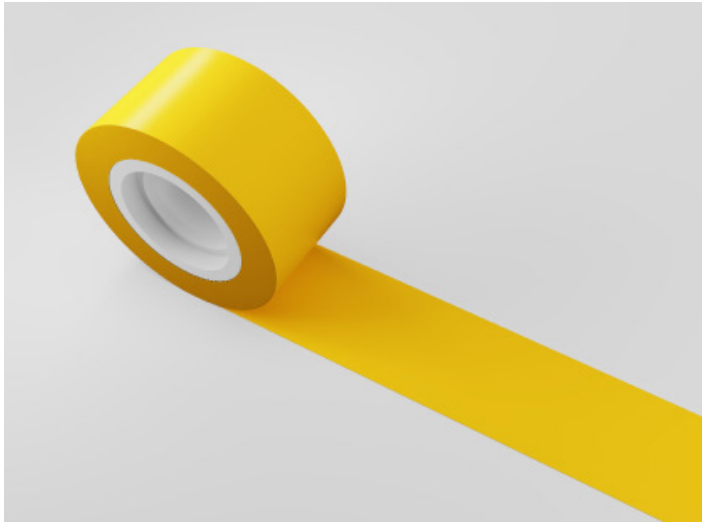


## SPI 0.9 - THERMAL FILM

Data Sheet DS\_86

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## DESCRIPTION

Polyamide with a silicone coating offers several advantages, including high strength and flexibility, excellent resistance to abrasion, chemicals, and UV radiation. The silicone coating provides additional protection against moisture and high temperatures, making it suitable for use in harsh environments.

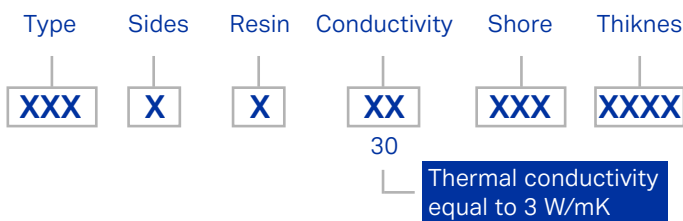
The material is also lightweight and easy to handle, making it ideal for applications where weight and space are a concern. Additionally, the combination of polyamide and silicone allows for the material to be molded into complex shapes, offering design flexibility for a wide range of applications, including automotive, aerospace, and industrial uses. The reinforced Polyamide will grant an excellent dielectric strength.



RoHS 3 / REACH  
Last updated compliance directive



## PART NUMBER:



## TYPICAL APPLICATIONS:

- Power
- Adapter
- Car electronics
- Communication equipment
- Motor controller
- High pressure interface
- Semiconductor optoelectronic products

Properties	UNITS	SPI2S0945120	TEST METHOD
Color	-	Yellow	Visual
Composition	-	PI film, thermal silicone	-
Thickness	mm	0.10 ± 0.02	ASTM D751
Density	g/cc	2.2	ASTM D297
Hardness (Shore A)	-	45	ASTM D2240
Tensile strength	psi	450	ASTM D412
Operating Temperature	°F / °C	-58 to 365 / -50 to 200	-
Breakdown voltage	V	>6000	ASTM D149
Dielectric constant	1000 Hz	5.5	ASTM D150
Volume Resistivity	Ohm/m	5.0x10 <sup>13</sup>	ASTM D257
Flame Rating	-	V-0	UL 94
Thermal Conductivity	W/mK	0.9	ASTM D5470
RoHS (10)	-	PASS	IEC 62321
Halogen (4)	-	PASS	EN14582
REACH (191)	-	PASS	EN14372

## STORAGE CONDITIONS

Store in a ventilated, cool, dry place and do not touch open flames. This product is non-toxic and is stored and transported as non-dangerous goods.