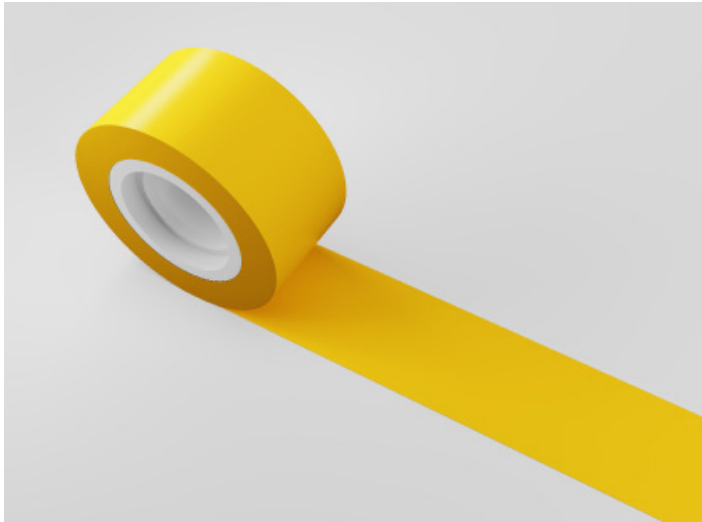


SPI 1.2 - THERMAL FILM

Data Sheet DS_87

1/1



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.

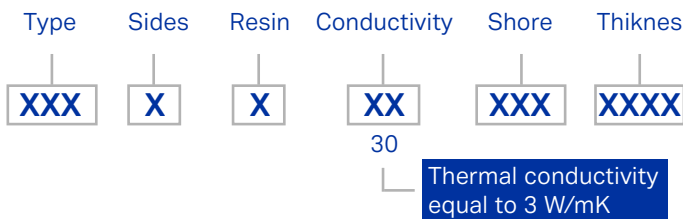
The material is also lightweight and easy to handle, making it ideal for applications where weight and space are a concern. Additionally, the combination of polyamide and silicone allows for the material to be molded into complex shapes, offering design flexibility for a wide range of applications, including 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	SPI2S1290160	TEST METHOD
Color	-	Yellow	Visual
Composition	-	PI film, thermal silicone	-
Thickness	mm	0.16 ± 0.02	ASTM D751
Applicable temperature	°C	-50 / 200	-
Thermal Conductivity	W / mK	1.3	ASTM D5470
Tensile failure	KN / M	5	ASTM D1458
Volume resistivity	Ω.cm	1012	ASTM D257
Breackdown voltage	ACKV / mm	>6	ASTM D149
Hardness (Shore A)	-	90 ± 5°	ASTM D2240
Tensile Strength	MPa	35	ASTM D412
Elongation	%	40	ASTM D412
Dielectric constant	1000 Hz	3.7	ASTM D150
Fire rating	-	V-0	UL 94
RoHS (10)	-	PASS	IEC 62321
Halogen (4)	-	PASS	EN14582
REACH (191)	-	PASS	EN14372

STORAGE CONDITIONS

Store in a ventilated, cool and dry place, do no touch open flames. This product is nontoxic and is stored and transported as non-dangerous goods.

Storage conditions: temperature 15°C<T<30°C; relative humidity RH<70%