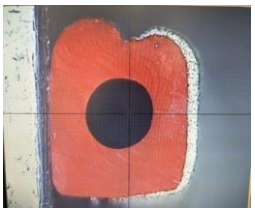
Coated Conductive Strip 11-232

Version TDS.11-232. V.B.0

Description

JONES 11-232 is made by coating conductive silicone rubber on non-conductive silicone strip. It is one low cost, better mechanical performance and good shielding effect product. The conductive side, with Ag/Al inside, provide EMI shielding and corrosion protection. The outer, non-conductive gasket acts as an extra environmental seal to keep moisture away from the conductive gasket interface. Most importantly, the coating process provides thinner conductive layer thickness than Co-extrusion strips, which make good benefit in coat down. And the product size can be customized.



Typical Properties

Properties			11-232	Test Method
Electrical	Volume resistance		≤0.008Ω·cm	MIL-DTL-83528
	Conductive layer thickness		0.15mm	-
Physical	Based material		Silicon rubber	-
	Filler		Silver/Aluminum	-
	Color	Silicone side	Red	-
		Conductive side	Yellow	-
	Density	Silicone side	1.2±0.25 g/cm^3	ASTM D2638
		Conductive side	2.0±0.1g/cm^3	
	Hardness（ShoreA)[a]	Silicone side	50	ASTM D2240
		Conductive side	70	
	Tensile strength [a]	Silicone side	≥4MPa	ASTM D412
		Conductive side	⩾1.5MPa	
	Elongation at break [a]	Silicone side	⩾400%	ASTM D412
		Conductive side	⩾150%	
	Tear strength [a]	Silicone side	⩾16N/mm	ASTM D624
		Conductive side	⩾8N/mm	
	Compression set [b]		≤30%	ASTM D395
	100% tensile [b]		No obvious damage at conductive layer	-
	Flammability [c]		V0	UL94
	Mold rate		0	GB2423.16
Shielding Effect	Average shielding effect 0-8GHz		80dB	Jones INS 04/2

a: Tested on molded sheets
b: Tested on coated strip
c: Tested on 2mm sheet with aluminum sheet both side

Storage

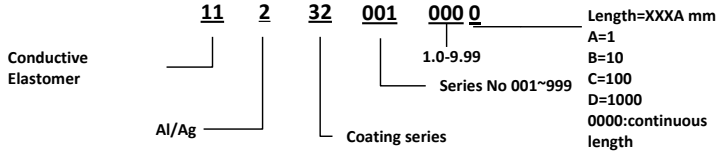
Sealed with drier and keep away from light

RoHS/Reach information

Jones 11-232 fulfills the requirements set by the EU Directive 2002/95/EC (RoHS) and Reach

Ordering information

Use this part number system when ordering JONES Conductive Elastomer.



Benefits

- Low Cost for thinner conductivelayer
- Shielding Effective
- Excellent integrated environmental sealing
- Low compression force and excellent mechanical properties
- Corrosion resistance

Applications

- Telecom base stations
- Various casting

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