



# Form-In-Place Conductive Elastomer 14-630R

Version TDS.14-630 R.B.2

## Description

Jones 14-630R is a Nickel coated graphite filled silicone rubber with low hardness which contributes to relatively low compression force when it is used as dispensed gaskets in between of chassis and cover. It also has good shielding performance with balanced mechanical properties. This grade ends in a very cost effective FIP solution through its low density and fast dispensing speed.

14-630R is an automated system for dispensing conductive elastomer EMI shielding and grounding gaskets onto metal or plastic substrates.



## Benefits

- Excellent EMI shielding performance
- Automated system for dispensing onto metal or plastic substrates.
- Ultra soft and compressible, lower deflection force.
- Direct application of gasket to component part reduce assembly and handling.

## Applications

- Telecom base stations
- Mobile phones
- Radios
- PC cards
- PDAs
- Wireless handsets
- Military application

## Typical Properties

Properties	14-630R	Test Method
<b>Electrical</b>	Volume resistance	0.025Ω·cm
	Electrical Resistance on Al sheet	<300mΩ
	Shielding Effectiveness 200Mhz-10GHz	105dB
<b>Physical</b>	Based material	Silicon rubber
	Filler	Ni/C
	Color	Dark Grey
	Density	2.5±0.25 g/cm <sup>3</sup>
	Hardness (Shore A)	60±7
	Tensile strength	≥1.0MPa
	Elongation at break	≥100%
	Compression set	≤30%
Adhesion on Aluminum	≥70N/cm <sup>2</sup>	
<b>Curing Requirement</b> /	15°C to 40°C, 50% relative humidity minimum 30min surface cured, 24hours full cured	
<b>Use temperature</b> /	-55~125°C	
<b>Storage</b> /	-18°C for 3 month	

\*Time to effectively cure a bead will necessarily depend on individual conditions, including but not limited to bead size, shield size and weight, oven capacity, and oven ramp-rates.

## RoHS/Reach information

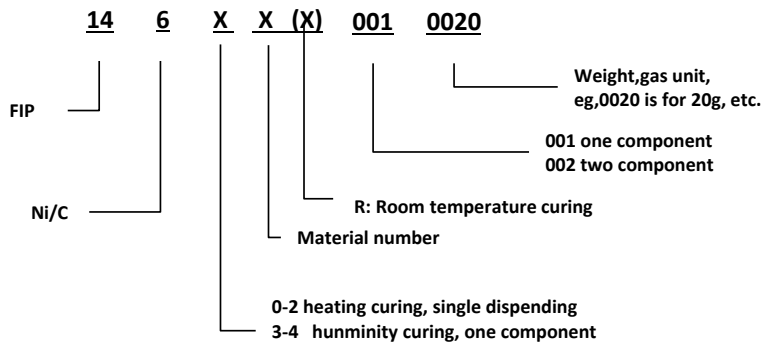
Jones 14-630R fulfills the requirements set by the EU Directive 2011/65/EU (RoHS) and Reach

## Standard Cartridge Package

80g in 50cc tube; Or according to customization

## Ordering information

Use this part number system when ordering JONES Form-in-Place Elastomer.



## Disclaimers

- The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the issuing date of this TDS. When using our products, no matter what type of equipment they might be used for, be sure to make a written agreement on the specifications with us in advance. The design and specifications in this TDS are subject to change without prior notice.
- Do not use the products beyond the specifications described in this TDS. This TDS explains the typical performance of the products as individual component. Before use, check and evaluate their operations when installed in your products.
- Install the following systems for a failsafe design to ensure safety if these products are to be used in equipment where a defect in these products may cause the loss of human life or other significant damage, such as damage to vehicles (automobile, train, vessel), traffic lights, medical equipment, aerospace equipment, electric heating appliances, combustion/gas equipment, rotating equipment, and disaster/crime prevention equipment.

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