

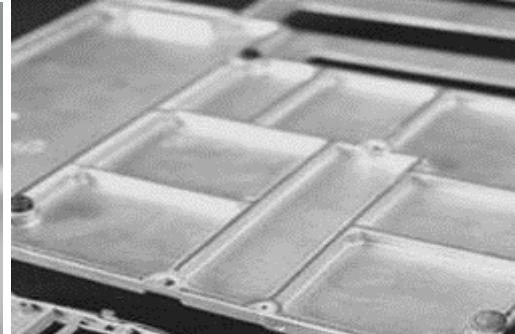


Form-In-Place 14-630R



FEATURE & BENEFITS

- Volume resistance is less than 0.025 ohm-cm
- Excellent compression performance and the lowest compression force
- High shielding effectiveness, >90 dB(0.3-8Ghz)
- Good adhesion to clean aluminum or other metal surface
- Low cost and rapid prototyping
- Low Viscosity offers short cycle times in any dispensing machine



JONES-FIP 14-630R is one-component, room temperature, electrically conductive EMI gasketing material containing nickel-plated graphite particles dispersed in silicone elastomer. The material is designed for ease of dispensing and increased flow rates for robotically dispensing onto metal castings. It can be trishield forming directly on telecom or other industrial components and offers good adhesion to most metal and metallised surfaces. 14-630R offers excellent conductive performance and the lower compression force. Superior performance in adverse environments makes this material an excellent choice for applications requiring long term reliability.



APPLICATIONS

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



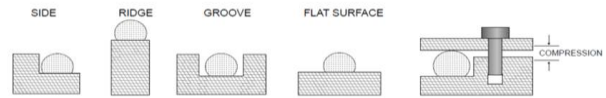
TYPICAL PROPERTIES

	Properties	14-630R	Test Method
Electrical	Volume resistivity (Ω -cm)	≤ 0.025	
	Electrical Resistance on clean aluminum surface (Ohm)	≤ 0.3	MIL-DTL-83528
Physical	Based material	Silicon rubber	-
	Filler	Nickel/Graphite	-
	Color	Gray	-
	Density (g/cm^3)	2.5 ± 0.25	ASTM D2638
	Hardness (Shore A)	60	ASTM D2240
	Tensile strength (Mpa)	≥ 1	ASTM D412
	Elongation at break	$\geq 100\%$	ASTM D412
	Tear strength (N/mm)	6	ASTM D624
	Compression set	30%	ASTM D395
	Adhesion on Aluminum (N/cm^2)	70	Jones INS 04/1
Shielding Effect	Average shielding effect 0.3-8GHz Gasket on Aluminum, fresh (dB)	≥ 100 dB	MIL-DTL-83528

CURING REQUIREMENTS

15°C-40°C,30min surface cured,24 hours full cured.

INSTALLATION AND MOUNTING GUIDE



PART NUMBER SYSTEM

14 - X XX AB - YYY -ZZZZ
① ② ③ ④ ⑤ ⑥

- ① 14-Form-in-place Material
- ② 6 -Materials type:Ni/C
- ③ XX-Characteristic Code(30-Moisturecure)
- ④ AB-Optional Style(R-Room Temperature etc.)
- ⑤ YYY-Package Size

ORDERING INFORMATION

Standard Cartridge Package

Log in 55cc tube or 50g in 30cc tube.

Storage

6 months below -18°C. 21 days at room temperature.

Safety instructions

Jones 14-630R is according to EU directive classified as harmful, class Xn, due to the content of nickel. Nickel may cause sensitization by skin contact. It is advisory to never touch the gasket without gloves. A material safety data sheet can be sent on request.

HANDLING PRECAUTIONS

FOR SAFE HANDLING
INFORMATION OF THIS PRODUCT,
PLEASE CONTACT WITH YOUR
JONES REPRESENTATIVE FOR THE
SAFETY DATA SHEET (SDS).

LIMITED WARRANTY INFORMATION

The information provided in this Technical Data Sheet including the recommendations for use and applicaiton of the product are based on our knowledge and experience of the product as at the data of this TDS. Jones Corp is not, therefore, liable for the suitability of any Jones Corp products for any specific or general uses. Jones Corp shall not be liable for incidental or consequential damages of any kind.

FOR MORE INFORMATION

About our high performance materials, solutions and capabilities, please visit our website:

<http://www.jones-corp.com>

Disclaimer

- 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.
- The product provided in this TDS compliance with HSF.

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