

NOLATO SILICONE RUBBER 8648



Modus Advanced, Inc. custom manufactures parts and gaskets using Nolato 8648 EMI shielding or electrically conductive silicone rubber. This extruded material is an effective and reliable environmental seal, which will show minimal to no deterioration of conductivity and shielding over time. Silicone rubber can easily withstand heat, cold, moisture, UV, ozone and pressure over an extended period of time with a temperature range between -55°C and +125°C.

TYPICAL MATERIAL PROPERTIES

PROPERTY	TEST PROCEDURE	UNIT	8648
Base material			Silicone rubber
Conductive filler			Ni/C
Volume resistivity, as molded	MIL-DTL-83528C	mOhmcm	6
Volume resistivity, aged 48 h/188°C	MIL-DTL-83528C	mOhmcm	8
Volume resistivity, aged 1000h/125°C	MIL-DTL-83528C	mOhmcm	8
Average shielding effect, 0.3 – 20 GHz	Nolato cavity to cavity test method	dB	130
Density	ISO 2781	g/cm ³	2.4
Hardness	ISO 7619	Shore A	80
Tensile strength ¹⁾	ISO 37	MPa	4.3
Elongation at break	ISO 37	%	140
Tear strength ²⁾	ISO 34-1C	N/mm	16
Compression set, 72 hours/100°C	ISO 815	%	40
Flammability ³⁾	UL 94		V0
Compression modulus, 10 % strain	ISO 7743	MPa	10.9
20% strain			13.1

1) 1 MPa = 145 psi 2) 1 N/mm = 5.71 lb/in 3) Tested on a 4 mm thick sample

The recommendations and data given are based on our experience to date, however, no liability can be assumed in connection with their usage and processing. Typical property data values should not be used as specification.

THE NOLATO GROUP

Nolato is an advanced high-tech polymer partner with operations in Europe, Asia and North America. We develop and manufacture products in materials such as plastic, silicone and TPE. Our customer offering comprises everything from concept development, product design and process optimization to high-volume production, post-processing, assembly and logistics.

APPLICATIONS

Nolato 848 is particularly suited for economical mass production of extruded gaskets or molded parts for low cost EMI shielding components.

RoHS INFORMATION

Nolato 8648 fulfills the requirements set by the EU Directive 2002/95/EC (RoHS).

SAFETY INFORMATION

Nolato 8648 is according to EU directive classified as harmful, class Xn, due to the content of nickel. Nickel may cause sensitisation by skin contact. It is advisory to never touch the gasket without gloves. A material safety data sheet can be sent on request.

CUSTOMERS ALSO SEARCHED:

form in place gasket	liquid gasket
liquid gaskets	paste gasket
liquid gasket	emi gasket
gasket tack	conductive silicone gasket
form in place	conductive silicone
conductive material	emi silicone
form in place gaskets	emi shielding gasket
dispensed gaskets	formed gasket
dispensed gasket	electrically conductive gasket
form-in-place	silver silicone
Dispensed gasket	nickel graphite silicone
conductive gasket	

**MODUS ADVANCED TAKES
YOU FROM IDEA TO IGNITION**



IDEA



ENGINEERING



SOLUTION



IGNITION



PICK A MATERIAL

LET MODUS CUT IT TO SIZE

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer which converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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