

Dear Customer **PARTICULAIR**,

PROGETTO GOMMA Srl herewith provides the certificate (Test report RP n..248/2023) attesting the value of volume resistivity in accordance to UNI ISO 1853:2011 STANDARD and the technical data sheet of the material used for the fabrication of the antistatic items.

The a.m. document, issued by CERISIE (Italian accredited laboratory for measurements and analysis upon elastomeric compounds), certifies that the MM019NN ELASTOMERIC COMPOUND used for making the accessories for vacuum cleaners is electrically conductive and the grade of volume resistivity corresponds to 1.1 ohm x m.

Data and results stated in the document enclosed, refer only to the sample tested and there is no guarantee that they are being reproduced in other laboratories using different conditions of preparation and evaluation of other samples used.

It is a customer's duty and responsibility to verify the suitability of such accessories for the intended uses in conformity with the current legislation and in particular with the EU Community Directive EU 94/9/EC.

Additionally the customer **PARTICULAIR** undertakes the task of judging the suitability or non-suitability of these accessories assuming the full responsibility of the installation on his own machinery and of their use in ATEX classified areas where potentially explosive atmospheres are present.

Progetto Gomma srl declines any responsibility for any direct or indirect damages to objects or people deriving from unsuitable, improper use or incorrect installation of its products(ref. General sale conditions Progetto Gomma- art.13) Hold harmless clause).

A disposizione per ogni eventuale chiarimento.

We remain at your disposal for any further information you may require.

Cordiali saluti

Best regards

Eleonora Cenacchi

Assistant Manager

Sales/Accounts dept.

(Office times 9am-1pm; 2pm-5pm/Warehouse opening times: 8.30am-1pm; 2pm-4.30pm)

PROGETTO GOMMA Srl

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Clausola di esonero da responsabilità: Fatto salvo quanto previsto dalle norme inderogabili di legge, la Venditrice non si assume alcuna responsabilità per danni diretti e indiretti alle persone e/o alle cose che dovessero derivare dall'uso, anche improprio, del prodotto da parte del destinatario, sia esso Cliente o terzo.

Resta ferma la responsabilità in capo alla Venditrice in caso di eventi imputabili alla stessa per dolo o colpa grave.

La venditrice non è in alcun modo responsabile per l'uso che verrà fatto del prodotto da parte del destinatario, nonchè degli eventuali danni direttamente o indirettamente imputabili all'utilizzo del prodotto stesso.

PROPERTIES OF ELASTOMERIC COMPOUND

Code: **MM 019 NN**

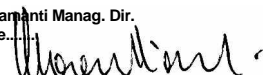
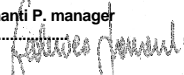
PHYSICAL AND MECHANICAL PROPERTIES

HARDNESS: 80-85 Shore A

	PHYSICAL CHARACTERISTICS	Unit	Measured value	VARIATION OF DATA VALUES	Value Required	TEST METHOD ASTM/UNI
ORIGINAL FEATURES	HARDNESS	Sh.A	80-85			
	TENSILE STRENGTH	Kg/cm ²	>120			UNI6065
	ELONGATION AT BREAK	%	>250			UNI6065
	MODULUS 100%	Kg/cm ²	>45			UNI6065
	MODULUS 300%	Kg/cm ²	>90			UNI6065
	TEAR RESISTANCE	Kg	>8			UNI4914
	SPECIFIC GRAVITY	g/cm ³	1,17/1,24			
	COMPRESSION SET	%	<35			UNI815
	REBOUND RESILIENCE	%	>20			UNI7716
	ABRASION RESISTANCE		<350			UNI9185
	VOLUME RESISTIVITY	Ω x m	0,2		RP N.110/2018 ISSUED BY CERISIE	UNI1853:2011
	ELECTRIC RESISTANCE	KΩ	5 ≤ X ≤ 50		MEASURE PERFORMED INTERNALLY USING INSTRUMENT ISOL 1000 N CHAUVIN ARNOUX	WORK INSTRUCTION IST OP 04 AND ALL.1
VALUES AFTER AGEING IN AIR AFTER : TIME: 48 H TEMP.: 70°	HARDNESS	Sh.A		+2		
	TENSILE STRENGTH	Kg/cm ²		-3,2%		
	ELONGATION AT BREAK	%		-20,8%		
	MASS	%				
	VOLUME	%				
VALUES AFTER AGEING IN OIL ASTM 5 AFTER : TIME: 48 H TEMP.: 70°	HARDNESS	Sh.A		=		
	TENSILE STRENGTH	Kg/cm ²		-9,7%		
	ELONGATION AT BREAK	%		-25,8%		
	MASS	%				
	VOLUME	%				
VALUES AFTER AGEING IN : TIME: TEMP.:	HARDNESS	Sh.A				
	TENSILE STRENGTH	MPa				
	ELONGATION AT BREAK	%				
	MASS	%				
	VOLUME	%				

NOTICE AND RESPONSIBILITY

The results reported in this technical sheet refer only to the sample tested and there is no guarantee that they are being reproduced identical in other laboratories using different conditions of preparation, environment and evaluation of other samples used. It is a customer's duty and responsibility to verify the suitability of such material in compliance with the requested uses or in particular to meet ATEX directive 94/9/EC compliance requirements. Progetto Gomma S.r.l. also declines any responsibility for any direct or indirect damages to objects or people deriving from unsuitable or improper use, negligence, or deriving from incorrect installation of its products. Technical features are not binding and can be subjected to change without notice.

EDITING Mrs. Eleonora Cenacchi Mr. Marcello Cossu Signature.....	APPROVED BY DIRECTION Mr. M. Diamanti Manag. Dir. Signature..... 	ISSUED BY R.G.Q. / PRODUCT MANAGER Mr. F. Diamanti P. manager Signature..... 	Page 1 di 1
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