



Sleeve SA10/ESP Patented MasterSan™

Insulating sleeve produced with exclusive technology by TECNICA SRL made of:

- Additivated polyolefin resins film with anti-bacterial, anti-mildew and anti-viral material protection.
- Thermo-insulating coating in netted and closed-cell of polyethylene foam.
- External protection in additivated polyolefin resins film.

The assembly of materials for the construction of the flexible conduit does not require the use of chemical agents, glues or adhesives.

MasterSan™
in collaboration with:



TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	WORKING TEMPERATURE	PRODUCTION DIAMETERS	AIR SPEED	PRESSURE	CURVATURE RADIUS
Grey	10m standard	-20° + 90°C (peak +115°C)	from 40mm to 254mm	max 20m/sec	max 200 mmH ₂ O	1,2 - 1,8 x Ø

PRODUCTION DIAMETERS

40*	51	63	70	76	80	90*	102	110*	121*
127	133*	140*	152	160	165	180	203	254	

*Diameters available on request
Diameters other than those indicated are available by prior feasibility check.

CERTIFICATIONS

MATERIAL PROTECTION

TECNICA SRL
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Count tests: JIS L 1802



Testing the antibacterial activity and efficacy on textile products

Country: Italy

Japan: 2002

Test item:

2 discs, 4 discs per treatment

Procedure:

Hydrophilic materials like towels, handkerchiefs, tissues

Sample size:

Three specimens with 0.4 g in a theoretical approximation

Scope:
This method is applied for the quantitative determination of the antibacterial effectiveness of non-sterilizable active substances.

Abstract:
Specimens are contaminated with a standard number of a given micro-organism inoculum. After incubation for 18 hours by 37°C, the micro-organisms on the test material are washed off with a defined amount of medium. The number of colony forming units (CFU) is determined and calculated logarithmically. From this value the antimicrobial effect can be calculated.

Test assessment:
Calculations are based on the difference in logarithmic count of number of cfu between "test" and "18 hour control with the test material". Germ reduction: "Microbiological Activity 12" is given as logarithmic and proportional value.

Test organisms:
Enterobacteriaceae ATCC 8739
Staphylococcus aureus ATCC 6538
Klebsiella pneumoniae ATCC 4352

Explanation of the bacteriostatic activity:
0.5%: germ growth, insufficient antimicrobial effect
0.5% to 40%: no significant germ reduction, insufficient antimicrobial effect
≥90%: Significant germ reduction, good antimicrobial effect.



ANTIMICROBIAL PROTECTION
MasterSan™ is produced with new generation polyolefin film with Sanitized® antimicrobial and antiviral technology which protects the internal surface from damages due to microbial load and reduces the formation of potential microbial odors inside the ventilation system for a better IAQ rate.



FIRE REACTION

IT

Class 1 (D.M. 26/06/84)

EU

Class B-s2, d0 (EN 13501-1:2009)

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica srl contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
IP, EA, MR



WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM®

BREEAM

Contributes to credits:
MAN, ENE, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

OEM	Residential	Smooth surface	Easy Pack	Mold resistant	Microorganism Resistant	REACH Certifie	RoHS Certifie	Building

TESTS PERFORMED

TEST	METHOD	OUTCOMES
Resistance to aggression by chemical agents	Test performed on non-insulated SA10/ESP duct - Application on the external surface of the specific chemical agent and check for any changes after 48h.	ETHANOL No modification and/or damag
		AMMONIA No modification and/or damag
		HIGH CONC. DEGREASER No modification and/or damag
		COOLANT FLUID No modification and/or damag
Maximum operating temperature peak	Test performed on non-insulated SA10/ESP duct - Identification of the maximum temperature peak bearable by the duct and all its components.	+115°C no longer than 2min.