TECHNICAL DATASHEET

SARI FULL FACE MASK

DESCRIPTION

Sari Full face mask features a faceblank with wide sealing edge, inner mask with 2 steering valves, 5-point adjustable rubber harness with quick release buckles, speech diaphragm, panoramic visor, PVC neck strap. Sari can be used with a filter (Pro2000), with the Autoflow and Proflow powered filtering device and as a face piece of a compressed airline apparatus (Kesaf). The faceblank and inner mask is available in natural rubber.

The visor is available in 4 material choices;
polycarbonate, polyamide, polyamide HT and Triplex.

TEST RESULTS. (BGIA. Average values, full test reports available from Scott Safety customer service)

Feature	SARI FULL FACE MASK	EN136 requirement
Breathing resistance:		
30 l/min 95 l/min Exhalation 160 l/min	≤ 0.2 mbar ≤ 1.1 mbar 1.2 mbar	Max 0.5 mbar Max 1.5 mbar Max 3.0 mbar
CO_2 content inside the mask	0.8%	Max 1.0%
Inward leakage	≤ 0.03 % (average)	max 0.05 %
Field of vision: Effective Overlapped	 77 % 84 %	 min 70 % min 80 %
Filter thread	Special bayonet connection	7.12
Weight	540 g	-
Approvals	• CE 0121. EN 136 class 3 CE-certificate 961179 BGIA	

WEIGHT (Filter weights can vary.)

Part	Weight	Weight with P3 filter	Weight with CF22A2-P3 filter	Weight with CF32 A2B2E2K2-P3 filter
Sari	560g	635g	790g	930g

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MATERIAL DATA	
Part	Material
Faceblank	Natural rubber (NR)
Inner mask	Natural rubber (NR)
Visor options	• Polycarbonate PC • Polyamide (PA) • Polyamide HT (high temperature) • Triplex glass
Visor frame	PBT reinforced (thermoplastic polyester)
Connector	PBT reinforced (thermoplastic polyester)
Connector spanner	Stainless steel (Ligarex band)
Neckband	PVC
Buckles	Metal, plated brass
Valves	Natural rubber

FACEBLANK MATERIAL PROPERTIES	
Substance/ Feature	SARI
Weight	560g
Chemical resistance Lye, 10 % Sulphuric acid, 1% Carbon tetrachloride Acetone White spirit Trichlorethylene Benzene Methanol Isopropanol Ozone Weather resistance Resistance to skin chemicals	 +++ ++ - ++ - - - +++ +++ - + +
Mechanical strength • new mask • aged mask	 +++ -
Heat resistance °C	+100
Cold resistance °C	-40
Allergic response properties	++

+++ excellent
++ good
+ adequate
- poor

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PROTECTION FACTORS			
Combination	Maximum use of concentrations as multiple of exposure limit[1]	Assigned protection factors BS4275[2]	Nominal protection factor[3]
Full face mask and particle filter P3	400 x O.E.L.	40	1000
Full face mask and gas filter class 2	400 x O.E.L.	20	2000
Power assisted FFM TM3	500 x O.E.L.	40	2000
Compressed FFM	1000 x O.E.L.	100	2000

[1)] *BGR 190 "Benutzung von Atemschutzgeräten". HVBG. April 2004. Germany.*

[2)] *BS4275 "Respiratory protective equipment at work" HSE 2005. UK.*

[3)] *Respiratory protective devices – Recommendations for selection, use, care and maintenance. PrEN 529:2003 CEN/TC 79. 2003-12-1 prEN 529.*

Scott recommends that the most conservative value for protection factor should be used. This is in accordance with international best practice.

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