

# fitesa

## PRODUCT SPECIFICATION

Fitesa® Defender Surgical Face Mask PP

Product Code N07DBO40

Customer Code: -

Specification Code: SMS 7D BO 40 FITO

Site: Gravataí

Document Date: 03/03/2020

### 1 - Application

Defender Surgical Face Mask

### 2 - Raw Material

100% Polypropylene

### 3 - Physical Properties

Properties	Method	Unit	Minimum	Target	Maximum	Observations
Basis Weight	NWSP 130.1	g/m <sup>2</sup>	38,0	40,0	42,0	
Tensile Strength MD	NBR 13041	N	90,0	120,0	-	
Tensile Strength CD	NBR 13041	N	55,0	70,0	-	
Water Column	NWSP 080.6	cmH2O	40,0	48,0	-	
Air Permeability	NWSP 070.1	l/min/cm <sup>2</sup>	1,0	2,0	5,0	
Differential Pressure	NBR 15052	mmH2O/cm <sup>2</sup>	-	-	4,0	
Delamination	NBR 14621	N/in <sup>2</sup>	38,0	45,0	-	

### 4 - Roll Properties

Property	Method	Unit	Minimum	Target	Maximum	Observations
Width	Internal	mm	-5	(*)	+5,0	(*) As commercial deal
Diameter	Internal	mm	-50	(*)	+50,0	(*) As commercial deal
Linear Length	Internal	m	-100	(*)	+100,0	(*) As commercial deal
Telescope Effect	Internal	mm	-	-	15	

### 5 - Bundle Properties

Property	Unit	Minimum	Target	Maximum	Observations
Core Diameter	in	-	3,0	-	
Variation of Internal Diameter of Core	mm	76,0	77,0	78,0	
Core Thickness	mm	9,1	9,5	9,9	
Cardboard Disk Diameter	mm	-100,0	-50,0	Roll diameter	
Type of Package	Stretch Film				
Palletizing	As commercial deal				

### 6 - Bacterial Filtration Efficiency (BFE)

The BFE test is performed to determine the filtration efficiency of test articles by comparing the bacterial control counts upstream of the test article to the bacterial counts downstream. BFE is a property controlled through sampling analysis provided by an external laboratory - Nelson Labs / ControlBio, reaching minimum value of 95%, as requested by medical regulatory criteria.

### 7 - Package and Identification

Fitesa is responsible for packaging the material in a way that preserves the quality and prevents damage and / or contamination during transport and storage. The material identification provides the following information: supplier name, material name, product code, production lot, width, length and production order.

Roll Label Template

PALLET		FITESA NAOTECIDOS S. A. - BRASIL		PRODUTO CLIENTE/PRODUCT CUSTOMER		ETIQUETA/LABEL	
05		CNPJ: 93.211.084/0002-74		BOCS00			
PRODUTO/PRODUCT		DESCRIÇÃO DO PRODUTO/PRODUCT DESCRIPTION		PEÇA/NUMBER			
NT30B025K343100		FALSO TECIDO DE FILAMENTOS SINTÉTICOS DSP 25/6/197MM PP		280669/01			
QUANTIDADE DE UNIDADES		LARGURA/WIDTH		COMPRIMENTO/LENGTH		CÓDIGO DE BARRAS/BAR CODE	
25.00		197.00		7186035516/BOCT17		286710/1	
RENDIMENTO/LENGTH (M)		ÁREA/AREA (M <sup>2</sup> )		DATA/TURNO/DATE-SHIFT			
1.300.00		256.10		11/07/18-D			
MADE IN BRAZIL							
VALIDADE DE 2400 DIAS DESDE QUE SEJAM RESPEITADAS AS CONDIÇÕES DE MANUSEIO E ARMAZENAMENTO THE YEARS VALID FROM PRODUCTION DATE IF THE HANDLING AND STORAGE CONDITIONS ARE FOLLOWED.							

Package Label Template

Etiqueta/Label		Lote/Lot Number	
BOCSP6		7186035516	
FITESA NAOTECIDOS S. A. - BRASIL		CNPJ: 93.211.084/0002-74	
PALLET		Produto Cliente/Product Customer	
05		377044/42/001	
PRODUTO/PRODUCT		Pedido/Order Number	
NT30B025K343500		280669/01	
Descrição do Produto/Product Description			
FALSO TECIDO DE FILAMENTOS SINTÉTICOS DSP 25/6/197MM PP			
Gramatura/Basis Weight (g/m <sup>2</sup> )		Largura/Width (mm)	
25.00		197.00	
Metragem/Length (m)   Área/Area (m <sup>2</sup> )		Data-Turno/Date-Shift	
1.300.00   1.280.50		11/07/18-D	
Peso Bruto/Gross Weight (kg)		Peso Líq./Net Weight (kg)	
35.66		32.01	
MADE IN BRAZIL			
VALIDADE DE 2400 DIAS DESDE QUE SEJAM RESPEITADAS AS CONDIÇÕES DE MANUSEIO E ARMAZENAMENTO THE YEARS VALID FROM PRODUCTION DATE IF THE HANDLING AND STORAGE CONDITIONS ARE FOLLOWED.			
BOCT59			

**8 - Handling Care**

Move the material only with stack / pallet or similar.

Clamp pressure must not exceed 50 bar for SpunMelt products and 20 bar for Acquisition Layer.

Material does not resist to inclement weather.



Do not Wash

Do not Bleach

Do not Iron

Do not dry clean, do not remove stains with solvents

**9 - Storage**

The material should be stored in a dry place and with no large variations in temperature and / or humidity.

It is recommended material be kept away from vehicles that produce NOx. Such compounds may cause premature yellowing of the nonwoven, even at low levels of exposure.

**10 - Product Acceptance Criteria**

Fitesa must send products that meet the requirements described in this document. Any variation should be reported to the customer prior to shipment of the material.

**11 - General Observations**

All information contained in this specification is considered to be confidential property between Fitesa and the customer.

Fitesa will not make changes to the composition, raw material and / or method or place of production of the nonwoven, in addition to the normal changes to control the product within the parameters of this specification, without prior notification and customer approval.

Fitesa will ensure that good practices are followed throughout the production process to enable traceability of the material and to maintain process and product data for at least one year.

It is the responsibility of Fitesa to ensure that the sampling plans have a statistical basis and that the test samples are representative of the lot in question.

When stored under suggested conditions and in the original packaging, the material has a shelf life of two years from the date of manufacture. The properties of the nonwoven, by the very nature of the product, may vary over time. For more information, contact the Fitesa technical team.

**12 - Regulatory Information**

This material complies RDC 142, of the Brazilian Ministry of Health, on the quality requirements for suppliers of raw materials present in disposable absorbent products for external use.

Review	Date	Reason of Review
0	03/03/2020	Document Elaboration

Created by:	Approved by:
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