

TECHNICAL DATA SHEET

TYVEK REELS

- PRODUCT CODE** : **4ATR**
- RELATED STANDARDS** : 4A Medical Tyvek Reels are in compliance with the provisions of the Medical Device Regulation 2017/745 for medical devices.
- INTENDED USE** : The 4A Medical Tyvek Reels are used to sterilize temperature-sensitive medical devices. It is preferred at Low Temperature Sterilization regarding to its porous structure. Reels meet the Medical Industry's requirement for high quality, hygiene and safety levels. 4A Medical reels are used for the packing of the Medical Devices before sterilization and it maintains the sterility of the products after sterilization.
- OPERATION CONDITIONS** : 4A Medical Tyvek Reels are used for gas plazma (VH2O2) sterilization. The sterilization conditons should be determined by the end user regarding to material to be sterilized.
- SPECIFICATIONS** :

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		PROPERTIES	UNITS	TYPICAL VALUE
TYVEK		DELAMINATION	N/2.54 cm	2,2
		BASIC WEIGHT	g/m ²	64
		POROSITY	sec	22
		OPACITY	%	91
		THICKNESS	mils	165
		SPENCER PUNCTURE	J/m	6195
		MULLEN BURST	kPa	1055
		HYDROSTATIC HEAD	cm H2O	145
		ELMENDORF TEAR, XD	mN	3203
		ELMENDORF TEAR, MD	mN	2980
		TENSILE STRENGTH,XD	N/2.54 cm	174
		TENSILE STRENGTH,MD	N/2.54 cm	163
	FREE FROM LEAD AND HEAVY METALS AND TOXIC MATERIALS			

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LAMINATED FILM	PROPERTIES	UNIT	TYPICAL VALUE	
	THICKNESS	Micron	LAM.FILM	52 ± 5
			PE	40 ± 5
			PET	12 ± 2
BREAKING FACTOR	N/15mm	35		
TEAR STRENGTH MD/CD	mN	300		
BOND STRENGTH	N/m	265		
ELONGATION	%	70		
TEMPERATURE DURABILITY	min/degrees	30 min/140C		
FREE FROM LEAD AND HEAVY METALS AND TOXIC MATERIALS				

PRODUCT SPECIFICATION :

POUCH	PROPERTIES	UNIT	TYPICAL VALUE
	SEAL STRENGTH	N/15mm	2,5
	BUBBLE TEST		None
	PINHOLE		None
	DIMENSION CONTROL	cm or mm	Desired dimensions
	LEAKAGE TEST		None
	PEEL DIRECTION		None
	INDICATOR CONTROL		Returns the specified color

INDICATOR	STERILIZATION METHOD	BEFORE STERILIZATION	AFTER STERILIZATION
	VH2O2	Red	Yellow

PACKAGING	:	4A Medical reels are packaged in carton boxes as below:	
		<u>Product dimensions</u>	<u>Pieces in carton</u>
		75mm X 70m	8
		100mm X 70m	8
		150mm X 70m	4
		200mm X 70m	4
		250mm X 70m	2
		300mm X 70m	2
		350mm X 70m	2
		400mm X 70m	2
		450mm X 70m	2
		500mm X 70m	2

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