

STERILE BARRIER SYSTEM

Reliance® Solo 300

Bonded SMS 50 + 50 gsm AS

In compliance with: **ISO 11607-1 / EN 868-2**



In accordance with EN 868 - Part 2 : 2017

Chapter	Characteristics	Test Method	Unit	Requirements	Typical Values
4.2.1.2	Average mass of 1m ²	ISO 536	g/m ²	The average mass shall be within ± 5 % of the nominal value stated by the manufacturer	50
4.2.1.3	pH-value	ISO 6588-2	pH	5 ≤ pH ≤ 8 (hot extraction method)	6.3
4.2.1.4	Chloride	ISO 9197	%	≤ 0,05% (NaCl, hot extraction method)	< 0.002
4.2.1.5	Sulphate	ISO 9198	%	≤ 0,25% (Na ₂ SO ₄ hot extraction method)	< 0.002
4.2.1.6	Optical Brightening increase	ISO 2470-2	%	No increase in brightness due to the optical brightener of more than 1%	Conform
4.2.1.7	Fluorescence	Visual Observation	-	number of spots ≤ 5 ; spots axis > 1mm / 0,01 m ²	Conform
4.2.2.3	Specific requirements for nonwoven				
4.2.2.3.1	Tearing resistance	ISO 1974	mN	≥ 750 in machine direction ≥ 1000 in cross direction	3200 7500
4.2.2.3.2	Bursting strength (dry)	ISO 2758	kPa	>130	300
4.2.2.3.3	Wet bursting strength	ISO 3689	kPa	≥ 90	290
4.2.2.3.4	Elongation	ISO 1924-2	%	≥ 5 in machine direction ≥ 7 in cross direction	75 70
4.2.2.3.5	Hydro head test	EN 20811 (run at 60 cm/min Velocity)	mm H ₂ O	No requirements	600
4.2.2.3.6	Tensile strength (dry)	ISO 1924-2	kN/m	≥ 1,00 in machine direction ≥ 0,65 in cross direction	2.00 1.00
4.2.2.3.7	Wet tensile strength	ISO 3781	kN/m	≥ 0,75 in machine direction ≥ 0,50 in cross direction	1.90 0.85

In accordance with ISO 11607 - Part 1 : 2017

Chapter	Characteristics	Test Method	Unit	Requirements	Typical Values
5.1.6 a).	Germ proofness in moisture	DIN 58 953-6	Nil	Germ-proof	Conform
	Germ proofness with passage of air	DIN 58 953-6	Nil	Germ-proof	Conform
5.1.6 b).	Biocompatibility and toxicological attributes	ISO 10993-1	n/a	Conform to requirements	Conform
5.1.6 c).	Physical and chemical properties	EN 868-2	n/a	Conform to requirements	Conform
5.1.6 e).	Compatibility with respect to intended sterilisation processes	EN 868-2	n/a	Conform to requirements	Conform
5.1.6 f).	Shelf life limitations Pre sterilisation	EN 868-2	Years	Conform to requirements	5 Years

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