

CLINIPAK RELIANCE® CREPE GREEN / WHITE**Product Code(s)**

- RELIANCE® CREPE WHITE (WHCREPExxxx)
- RELIANCE® CREPE GREEN (GRNCREPExxxx)
(Where xxxx= sheet size)

A latex-free, wet-strengthened, crepe paper designed for steam (up to 135°C), EtO, formaldehyde and gamma radiation sterilization for hospital applications. The paper is available in white and green and offers high water repellency, good strength and barrier properties.

**Materials**

Manufactured from wet strengthened 100% cellulose fiber.

Sterilization Compatibility

Clinipak RELIANCE® CREPE GREEN/WHITE is compatible with the following sterilization methods:

- Steam (up to 135°C)
- Ethylene Oxide (EtO)
- Formaldehyde
- Gamma Irradiation (Co 60 - 50 kGy)

Standard Properties

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 $\pm 5\%$ of the nominal value stated by the manufacturer	60
4.2.1.3	pH-value	ISO 6588-2		$5 \leq \text{pH} \leq 8$ (hot extraction method)	6.5
4.2.1.4	Chloride	ISO 9197	%	$\leq 0,05\%$ (NaCl, hot extraction method)	0.028
4.2.1.5	Sulphate	ISO 9198	%	$\leq 0,25\%$ (Na ₂ SO ₄ hot extraction method)	0.045
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 $> 1\text{mm} / 0,01 \text{ m}^2$	Conform
4.2.2.2	Specific requirements for creped paper				
4.2.2.2.2	Elongation	ISO 1924-2	%	≥ 10 in machine direction ≥ 2 in cross direction	11 4.0
4.2.2.2.3	Water repellency	Annex C	s	≥ 20 for penetration time	23
4.2.2.2.4	Pore size diameter	Annex D	μm	≤ 50 (maximum equivalent pore size diameter)	20 (average)
4.2.2.2.5	Tensile strength (dry)	ISO 1924-2	kN/m	≥ 1.33 in machine direction ≥ 0.67 in cross direction	2.06 1.33
4.2.2.2.6	Wet tensile	ISO 3781	kN/m	≥ 0.33 in machine direction ≥ 0.27 in cross direction	0.53 0.4

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 process(es)	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

Compliance

Clinipak RELIANCE® CREPE GREEN/WHITE conforms to ISO 11607-1 & BS EN 868-2.

Storage/shelf life

It is recommended that CLINIPAK RELIANCE® CREPE is stored in a cool, dry place and out of direct sunlight.

The crepe wrap should be used within 5 years of manufacture according to the manufacture date on the product label.