

Contec ReFIBE Wipes

Recycled 100% knitted polyester cleanroom wipes - providing a sustainability story in a single-use world

Sustainability has become a top priority for many organizations, including those in the cleanroom industry. Manufacturers operating in critical environments are uniquely challenged in their pursuit of environmentally conscious products and protocols. Cleanroom environments are energy intensive, requiring a high consumption of resources to maintain desired levels of cleanliness. Traditional “green” practices such as the re-use of consumables: wipes and mops are problematic, as the risks of contamination and/or inconsistent performance are too great.

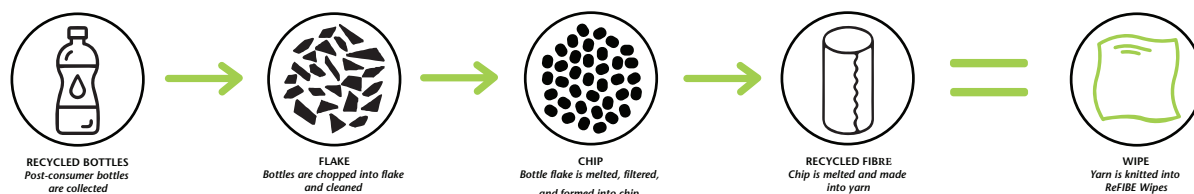
ReFIBE provides a sustainable solution for critical environments without jeopardizing quality or performance.

Each wipe is constructed from 100% post-consumer recycled plastic bottles (35+ bottles per pack of wipes) that have gone through a rigorous cleaning process before being converted to polyester chip. The chip is extruded and spun in a traditional yarn manufacturing process before being knitted into fabric. This fabric is converted and laundered exactly the same as Contec’s standard polyester heatsealed wipes. ReFIBE wipes are subject to the same quality and process control protocols as our virgin polyester products, eliminating the fear of compromising quality for sustainability.



Features	Benefits
100% knitted laundered recycled polyester	• Low levels of particles and fibres • Abrasion and chemical resistant • Soft textured wipe cleans surfaces without scratching
Manufactured from 100% recycled plastic	• Diverts plastic from oceans and landfill • Helps organisation reduce its environmental impact • Helps organisation meet its sustainability goals
Laser cut sealed edges	• Seals fibres at wipes edge reducing shedding • Suitable use in high grade cleanrooms
Validated sterile to a SAL of 10 ⁻⁶	• Suitable for use in the highest grade cleanrooms

How does it work?



Part No.	Description	Size	Packaging	Av Recycled Bottles/Case	GHG Emissions Savings Kg/Case*
RFHS-99	Contec ReFIBE StandardWeight Heatseal Wipes Flat stacked	230 x 230mm	75 wipes per bag 24 bags per case	840	17
RFHS-1212	Contec ReFIBE StandardWeight Heatseal Wipes Flat stacked	300 x 300mm	75 wipes per bag 10 bags per case	480	12
RFHS-99IR	Contec Sterile ReFIBE StandardWeight Heatseal Wipes Flat stacked	230 x 230mm	25 wipes per bag 48 bags per case	560	13
RFHS-1212IR	Contec Sterile ReFIBE StandardWeight Heatseal Wipes Flat stacked	300 x 300mm	25 wipes per bag 40 bags per case	640	18

* Greenhouse Gas Emissions saving compared to manufacture from virgin polyester.

Product Information

Material	• 100% recycled polyester 
Construction	• Interlock knit, no-run
Sterility	• Gamma irradiated to a validated SAL 10 ⁻⁶
Shelf life (sterile)	• 2 years
Environment	• ISO 3-8 Grade A/B for sterile, C/D for nonsterile

In partnership with:



Technical Data

Attribute (units)	Typical Value	Test Method
Basis weight, nominal; (g/m ²)	124	Contec Method
Sorbent capacity; (mL/m ²)	275	IEST-RP-CC004.3, Sec. 8.1
Sorptive rate; (seconds)	<1	IEST-RP-CC004.3, Sec. 8.1
Non-volatile residue, NVR		IEST-RP-CC004.3, Sec. 7.1.2
In deionized water; (g/m ²)	0.01	
In isopropyl alcohol; (g/m ²)	0.01	
Specific ions		IEST-RP-CC004.3, Sec. 7.2.2
Sodium; (ppm)	0	
Chloride; (ppm)	0.175	
Particles, readily releasable		
Particles ≥ 0.5µm; (x10 ⁶ /m ²)	2.72	IEST-RP-CC004.2, Sec. 5.1
Fibres ≥ 100µm; (x 10 ³ /m ²)	0.15	IEST-RP-CC004.2, Sec. 5.2

Notes

- a) The data shown are typical values and should not be used as product specifications.
b) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
c) Current and/or comparison data may be available. Please contact a Contec sales representative for details.

Test Methods

CTM Contec Test Method
IEST-RP-CC004.3 Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments, Institute of Environmental Sciences and Technology, Rolling Meadows IL.

Packaging

Packaging Materials	Low density polyethylene (LDPE) 			
Outer bags	Corrugated fibreboard (PAP) 			
Case				
Packaging Configuration	EA/OB1	OB1/OB2	OB2/CS	EA/CS
RFHS-99	75	2	12	1800
RFHS-1212	75	1	10	750
RFHS-99IR	25	4	12	1200
RFHS-1212IR	25	4	10	1000

EA = Each, OB1 = Outer Bag 1, OB2 = Outer Bag 2, CS = Case

Recycling Key

PET	
LDPE	
PAP	