



FibreStrap Technical Data Sheet



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FibreStrap is the world's first plant-based cable tie. Made for bundling and attaching just about any product or item. FibreStrap can easily be integrated in any packaging solution or application, replacing the traditional plastic cable ties. FibreStrap is re-usable under certain conditions and can be recycled with other paper products. The Nordic wood fibre material comes from certified sources which is a warrant for sustainable forestry, giving outstanding tensile strength.

*Depending on remaining length

**If total mass of paper exceeds 8,4gram

*** "Artikel 47(4); Composite packaging and other packaging composed of more than one material shall be calculated and reported per material contained in the packaging. Member States may derogate from this requirement where a given material constitutes an insignificant part of the packaging unit, and in no case more than 5 % of the total mass of the packaging unit".

¹Regulation on packaging and packaging waste (EU) 2019/904, See article 3(19) of COM (2022) 677 final. <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0677>

² Artikel 47(4) Regulation on packaging and packaging waste (EU) 2019/904, COM (2022) 677 final <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52022PC0677>

³ Test cycle corresponds to one-year outdoor use in Swedish climate

Storage requirements:

1. Store flat and level in transport cartons.
2. Protect cartons and FibreStrap edges and corners.
3. Large moisture changes can cause shrinking or expansion of FibreStrap's width and length.
4. If manual handling, it is recommended to handle FibreStrap packed in cartons to reduce risk for deformation.
5. Total Shelf-life during lifetime 6-12 months, advised FIFO (first in first out) cycle time 6 months.

Name	Description	Standard	Metric	Imperial	Tolerance
Material	Material content				
Kraft Paper	Kraft paper Certified from sustainable forestry (Scandinavia)	99,9% virgin fiber, 0,1% polyethylene wax			
Bio-composite	Polylactic acid (PLA)	EN 13432:2000			
	Hemp (EU)	ISSC Plus			
Metal pin	Stainless steel wire 1.4210	ED 10088-3:2014-12			
Re-use	Yes*				
Disposal - Part of packaging	Recyclable / YES 95/5 rule**	Country dependent / 95/5 rule			
Reporting to extended producer responsibility (ERP) schemes?	Fibrestrap is a composite packaging ***	Artikel 47(4) Regulation on packaging and packaging waste (EU) 2019/904, COM (2022) 677			
Disposal - Single unit	Recyclable / YES	Country dependent. Sort according to dominating material.			
	Incineration	Biofuel - Energy recovery			
Storage conditions	Climatic conditions	Temperature	15>25°C	59>77°F	
		Humidity	50-70% RH		
Loop tensile strength according to 9.6.1	Tensile pull	IEC 62275:5: 2018	-30°C: 110N 23°C: 108N 50°C: 80N	-22°F: 110N 74,4°F: 108N 122°F: 80N	
Pull test to break according to 9.5.1	Pull test to break	EC 62275:5: 2018	148N		
Resistant to ultraviolet light according to 11.1.1	1000 hours exposure ³	EC 62275:5: 2018	70N		63°C (+/- 2,5°C); RH 50 (+/-5%)
Heat aging (336 hours) according to 9.6.2	Shelf-life test: 2 years at 25°C	IEC 62275:5: 2018	100N		75°C (+/- 2,5°C); RH 50 (+/-5%)
Size	Length		200-780mm	7- 31 in.	
	Diameter		2mm	0,079 in.	