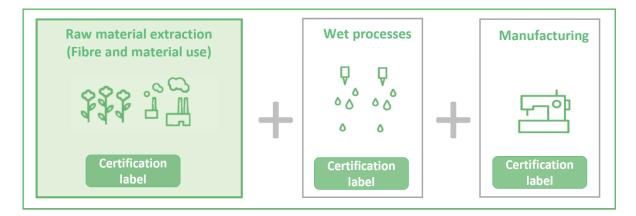


# List of approved fibres and materials incl. explanations and recognised certification labels

(06/2023)

The table below lists all fibres and materials that are approved for products for labelling according to the Green Button Standard 2.0. The purpose of this document is to provide explanation to the <u>List of approved fibres and materials</u>. A fibre or material that is not included in this list cannot be considered as a source material for Green Button products. The requirements apply to all fibres and materials that are identified in the textile label (usually in the care label) according to the EU labelling regulation.<sup>1</sup> Weight percentages (according to the textile label) refer to the components listed.

To label a product according to the Green Button 2.0. the product does not only have to comply with the requirements for the fibre and material use as explained in this document, but also demonstrate compliance with Green Button requirements on **wet processes** and **manufacturing** by presenting respective recognised certification labels for these supply chain levels. The requirements mentioned in this very document can therefore only be used to meet the demands on the **level of raw material extraction**.



In the following you find and overview about all **currently recognised certification labels**, for each approved fibre and material on the level of **raw material extraction**. Recognised certification labels for the level of **wet processes** and **manufacturing** on the other hand can be found <u>here</u>. In some cases, more than one certification label might be needed to cover all levels of production requirements.



Please note that the list of recognised certification labels will be continuously updated and expanded and thus further recognised certification labels may be added.

<sup>&</sup>lt;sup>1</sup> Should products not fall under the EU labelling regulation, the company must be able to prove the material composition.



#### Choice of approved fibres and materials

Fibres and materials generally are allowed if they a) are recycled or b) are as new fibres/materials in principle recyclable. A recyclability is assumed to be given if

- a low SVHC content can be proven for fibres and materials, as well as
- a basic recyclability is given (i.e., melting point is below the point for thermal decomposition of the polymer), or
- a biodegradability is possible (The biodegradability of the fibre material is given according to ISO 14851 or Standard EN 13432)

Selected animal fibres are only permissible if the extraction conditions are demonstrably justifiable from the point of view of animal ethics.

### Application-related exemptions for the use of fibres

Some fibres are only allowed to be included in Green Button products in defined exceptional cases. Companies must be able to declare that a product is to be classified within the scope of one of the areas of application defined in the "Exception" column. Then, the respective defined exceptions for the approval of fibres and materials apply. Proof of eligibility for an exemption must be provided or can be demonstrated accordingly during product inspection in the evaluation and/or during registration of products between evaluations.

### Proof of compliance with sustainability requirements through certification labels (approval condition)

For some of the approved fibres and materials, there is an additional requirement: they must follow the Green Button Standard 2.0 requirements for their sustainable extraction, which are fulfilled via recognised certification labels. Accordingly, for these fibres and materials it is required that the recognised certification label is present on the product to be awarded (see column "Approval condition" in the table). The process and requirements for recognition of a certification label are defined in the separate document *Green Button Standard 2.0 - Process and Requirements for Recognition of a Certification Label (link)*.



Please make sure to download the current list from our <u>website</u> as more certification labels will go through the benchmarking process.

# List of approved fibres and materials

E b	resignation as prescribed by U regulation on textile la- elling and fibre composi- on	bre be use	ation refers to	cati Fibr	recognised certifi- on label necessary? e only permitted in eptional cases?	If a fibre may only be used exceptional cases, those cases are specified here	l in	Indicates which certification label is recognised for which fibre and which evidence must be submitted for exceptions. Please note that a claim with a recognised certification label is not necessarily sufficient, but that the <b>propor-</b> <b>tion of certified fibres</b> in the product is decisive.
	Type of fibre	Propor- tion in final Product	Approval Condition	on	Definition of Excepti	on	Reco	ognised Certfication Labels and Evidence for Exceptions
	Explanation	Specifica- tion according to textile labelling	For some fibre type is required that the product be eligible labeling with a Gre Button-recognised tification label for t use of fibres/mater In some cases, this quirement only app above a certain we percentage.	for en cer- he ials. re- olies	-	eptions may be defined in reas (business model and/or	Curr	rent status June 2023



### Man-made fibres

### Man-made fibres from natural polymers (regenerated)

		<u> </u>			
Type of Fibre	Proportion in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions	
Lyocell (CLY)	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;) 10% and up to (≤) 30%<sup>2</sup></li> <li>Organic Content Standard (Textile Exchange)</li> </ul>	
	For example:	·			
<ul> <li>If a product consists of 15% lyocell and 85% any organic natural fibres, the GOTS label can be used as proof of compliance with the Gr for the use of fibres and materials.</li> <li>If a product consists of 9% lyocell and 91% any organic natural fibre, the GOTS label is not sufficient as proof of compliance with the Gr for the use of fibres and materials.</li> </ul>					
Modal	> 0 %	Allowed with recognised certification label	-	Organic Content Standard (Textile Exchange)	
Regenerated pro- tein fibres from milk	> 0 %	Allowed without requi- rements	-	No certification label required	
Regenerated pro- tein fibres from soy	> 0 %	Allowed without requi- rements	-	No certification label required	
Viscose	> 0 %	Allowed with recognised certification label	-	Organic Content Standard (Textile Exchange)	

<sup>&</sup>lt;sup>2</sup> Regarding man-made fibres GOTS certification is only sufficient, if the respective fibre proportion of the final product is above (>) 10% and below, or equal to (≤)30%. For respective fiber proportions below 10% GOTS is not sufficient and cannot be used to fulfill the Green Button 2.0 requirements.



Man-made	Man-made fibres from artificial polymers (synthetics)					
Type of Fibre	Proportion in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions		
		etic fibres mentioned in th f certain virgin fibres in exc		nare of 30% of the end product. For certain uses, exceptions have		
Virgin man-made fibres from artificial polymers (synthetics)	Up to max. 30% In exceptional cases up to 100% For example:		<ul> <li>NEW: "70:30-rule" If at least 70% of the final product consists of approved fibres with a recognised certification label, the synthetic fibres named in this listing may be used without certification (virgin).</li> <li>Special provisions: <ul> <li>Elastane and (NEW:) Elastolefin are excluded from this and may only be used up to max. 10% (see specifications below).</li> <li>For virgin polyester (&gt;0%), a recognised certification label still must be present.</li> </ul> </li> </ul>	NEW: If there is a recognised certification label present for at least 70% of the fibres or materials in the product (approved recycled fibres, sustainable cotton and sustainable regenerated fibres), then no recognised certification label has to be pre- sented for the use of max. 30% of the synthetic fibres named in this list, i.e. virgin fibres may be used (note: special provision for polyester: a recognised certification label for virgin polyester still must be presented). The recognised certification labels as well as additional excep- tions for virgin polyester are listed separately further down in the list. Fibres with the approval condition "only permitted in ex- ceptional cases", such as aramid, are not covered by this regula- tion. In defined exceptional cases (see below), the use of virgin man- made fibres can account for up to 100%.		
	If a produ	ct consists of <b>70% OCS cott</b>	on and 30% virgin polyamide, it meets the Green But	ton requirements for fibre and material use.		

- If a product consists of 50% GRS polyester, 30% OCS cotton and 20% virgin polyester and has OEKO-TEX®STANDARD 100, it meets the Green Button requirements for fibre and material use.
- If a product consists of **70% OCS cotton** and **30% aramid**, it <u>only</u> fulfils the Green Button requirements for fibre and material use if an **exemption rule** can be claimed for aramid (e.g. for PPE).



	Proportion								
Type of Fibre	in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions					
Aramid	> 0 %	Only allowed in exceptional cases (without quantity limit)	<ul> <li>Use of fibre possible (without certification label) if the product fulfils at least one of the following characteristics:</li> <li>Protective firefighting clothing in accordance with EN 469</li> <li>Protective vests that must comply with the Technical Guidelines "Ballistic Protective Vest"</li> <li>Clothing to protect against heat and flame in accordance with ISO 11612:2015</li> <li>Protective clothing for use in welding and allied processes in accordance with EN ISO 11611:2015 Kl. 1-A1+A2</li> <li>NEW: Further protective clothing in accordance with Regulation (EU) 2016/425</li> </ul>	NEW: Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425					
	For example	For example:							
		-	aramid can meet the Green Button requirements for f poof is provided by the mandatory CE marking of these	ibre and material use based on the exemption for products covered products.					
Carbon fibres	> 0 %	Only allowed in excep- tional cases (without quantity limit)	Use of fibre possible (without certification label) if the product fulfils at least one of the following characteristics:	<b>NEW:</b> Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425					
			<ul> <li>Electrostatic dissipative capacity to meet the antistatic standard EN 1149-3 (charge dissi- pation)</li> </ul>						



Elastane		duct consists of <b>90% GRS po</b> l	<ul> <li>EN 1149-5:2018 Protective clothing - Electrostatic properties</li> <li>EN ISO 11612:2015 Protective clothing against heat and flame</li> <li>EN ISO 11611:2015 Class 1-A1+A2 Protective clothing for welding and allied processes</li> <li>EN 13034:2005 + A1:2009 Type 6 Protective clothing against liquid chemicals</li> <li>EN 14058 Cool environment</li> <li>EN 342 Protection against cold</li> <li>NEW: Further protective clothing in accordance with Regulation (EU) 2016/425</li> </ul>	No certification label required requirements for fibre and material use. If the elastane proportion is
Elastolefin	NEW: Up to max 10%	NEW: Allowed without requirements		NEW: No certification label required
Modacryl (MAC)	> 0 %	Only allowed in excep- tional cases (without quantity limit)	<ul> <li>Use of fibre possible (without certification label) if the product fulfils at least one of the following characteristics:</li> <li>EN ISO 11612:2015 Protective clothing against heat and flame</li> <li>EN ISO 11611:2015 Cl. 1-A1+A2 Protective clothing for welding and allied processes</li> <li>EN 13034:2005 + A1:2009 Type 6 Protective clothing against liquid chemicals</li> </ul>	NEW: Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425



			• NEW: Further protective clothing in accord- ance with Regulation (EU) 2016/425	
Polyacryl (PAC)	> 0 %	Only allowed in excep- tional cases (without quantity limit)	<ul> <li>Use of fibre possible (without certification label) if the product fulfils at least one of the following characteristics:</li> <li>UV protection according to EN 13758-1 or UV Standard 801</li> </ul>	NEW: Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425
Polyacrylnitrile	> 0 %	Only allowed in excep- tional cases	<ul> <li>Use of fibre possible (without certification label) if the product fulfils at least one of the following characteristics:</li> <li>UV protection according to EN 13758-1 or UV Standard 801</li> </ul>	<b>NEW</b> : Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425
Polyamide 6.6. (Nylon)	> 0 %	Allowed with recognised certification label (NEW:) and in excep- tional cases	• NEW: Protective clothing in accordance with Regulation (EU) 2016/425	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;)10% and up to (≤)30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> <li>NEW: Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425</li> </ul>
Other polyamides (PA 6, PA11 and others)	> 0 %	Allowed with recognised certification label (NEW:) and in excep- tional cases	• NEW: Protective clothing in accordance with Regulation (EU) 2016/425	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;)10% and up to (≤) 30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> <li>NEW: Evidence for the exception rule is provided via the CE-Label on the product in accordance with Regulation (EU) 2016/425</li> </ul>
	• If a pro		otton and 50% GRS polyamide, it meets the Green Bu	tton requirements for fibre and material use

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		duct consists of <b>50% CmiA</b> or PPE products.	cotton and 50% virgin polyamide, it meets the Green	Button requirements for fibre and material use only in exceptional			
Polyester (recyc- led)	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is up to (≤) 30%</li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> <li>NEW: OEKO-TEX<sup>®</sup> STANDARD 100 with certificate for recycled content</li> <li>NEW: OEKO-TEX<sup>®</sup> MADE IN GREEN depending on OEKO-TEX<sup>®</sup> STANDARD 100 certificate (see above)</li> </ul>			
	<ul> <li>For example</li> <li>If a product is made of 35% RCS polyester and 65% OCS cotton, it meets the Green Button requirements for fibre and material use.</li> <li>If a product is made of 35% RCS polyester and 65% virgin polyester, it <u>does not meet</u> the Green Button requirements for fibre and material use. Unless one of the exceptions for virgin polyester can be claimed (see below).</li> </ul>						
Polyester (virgin)	> 0 %	Only allowed in exceptional cases and with recognised certification label	<ul> <li>Use of fibre possible (with certification label) if the product fulfils at least one of the following characteristics: Commercial use according to:</li> <li>one of the standards to be fulfilled in the catalogue of requirements for textiles suitable for leasing according to the Hohenstein Quality Standard (HQS) 701 ff.</li> <li>OR</li> <li>Compliance with the requirements for product or material properties according to:</li> </ul>	<ul> <li>One of the following recognised certification labels must always be present for virgin polyester, regardless of the exemption rule:</li> <li>bluesign® PRODUCT</li> <li>OEKO-TEX® STANDARD 100 product category 1-3<sup>3</sup></li> <li>OEKO-TEX® MADE IN GREEN (incl. OEKO-TEX® STANDARD 100 product category 1-3<sup>3</sup>)</li> <li>NEW:</li> <li>Evidence for exception rules: Workwear incl. food industry clothing (HACCP):</li> </ul>			

<sup>3</sup>Class 4 products must be tested according to categories 1-3.



laundering a signed self-declaration provided by the Green Button		<ul> <li>Suitable for industrial laundering according to ISO 15797 or ISO 30023</li> <li>OR</li> <li>NEW: Surgical clothing and drapes according to DIN EN 13795-1 /-2</li> <li>OR</li> <li>NEW: Further protective clothing in accordance with Regulation (EU) 2016/425</li> </ul>	according to ISO 30023 <u>or</u> proof of conformity according to HQS 703 for a textile in the colour white Polos and T-shirts Care-Label according to ISO 30023 <u>or</u> type test- ing according to ISO 30023 <u>or</u> proof of conformity according to HQS 704 for a textile in the colour white Bedding: Proof of conformity according to HQS 705 for a textile in the colour white Table linen: Proof of conformity according to HQS 706 for a textile in the colour white Business clothing: Proof of conformity according to HQS 707 with- out colour fastness Mattress cover: Proof of conformity according to HQS 708 for a textile in the colour white Terry fabrics: Proof of conformity according to HQS 709 for a tex- tile in the colour white Bedding in healthcare: Proof of conformity according to ENV 14237, table 2 Curtains in healthcare: Proof of conformity according to ENV 14237, table 7 Surgical clothing and drapes: Proof of conformity according to DIN EN 13795-1 Clean air suits: Proof of conformity according to Regulation (EU) 2016/425 NEW: As evidence for an exception for textiles suitable for industrial
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				Secretariat or a reference to ISO 15797 on the product can be used.
	For examp		t oon moot the Groon Dutton convinces at four film	
	examp			re and material use if one of the above <b>exceptions</b> can be claimed (for nere is also a recognised certification label, such as OEKO-TEX®STANDARD
Polyethylen	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;) 10% and up to (≤) 30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> </ul>
Polyurea	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;) 10% and up to (≤) 30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> </ul>
Polylactid	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;)10% and up to (≤) 30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> </ul>
Polyproylene	> 0 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (&gt;) 10% and up to (≤) 30%<sup>2</sup></li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> </ul>



Polyurethane	> 0 %	Allowed with recognised certification label	-	•	Global Organic Textile Standard (GOTS) if fibre proportion in the end product is more than (>) 10% and up to (≤) 30% <sup>2</sup> Global Recycled Standard (Textile Exchange) Recycled Claim Standard (Textile Exchange)
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# Natural fibres

### Plant-based fibres/materials

Type of Fibre	Proportion in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions				
Cotton	> 0 %	Allowed with recognised certification label	-	<ul> <li>Cotton made in Africa (CmiA)<sup>4</sup></li> <li>Global Organic Textile Standard (GOTS)</li> <li>IVN Naturtextil zertifiziert BEST (IVN BEST)</li> <li>Organic Content Standard (Textile Exchange)</li> <li>Fairtrade Cotton<sup>5</sup></li> <li>NEW: OEKO-TEX® ORGANIC COTTON</li> <li>NEW: OEKO-TEX® STANDARD 100 "organic"</li> <li>NEW: OEKO-TEX® MADE IN GREEN depending on OEKO-TEX<sup>®</sup> STANDARD 100 certificate or OEKO-TEX® ORGANIC COTTON</li> <li>For recyceled cotton:</li> <li>Global Recycled Standard (Textile Exchange)</li> <li>Recycled Claim Standard (Textile Exchange)</li> </ul>				
	If a prod							
Abacá fibre (banana fibre)	> 0 %	Allowed without require- ments	-	No certification label required				

<sup>&</sup>lt;sup>4</sup>CmiA: Hard Identity Preserved and Mass Balance

Fairtrade Cotton product certification label (black/traceable) and Fairtrade Sourced Ingredient certification label (white/mass balance)



Alfa	>0%	Allowed without require-	-	No cortification label required	
		ments		No certification label required	
Bast fibre (Ramie,	>0%	Allowed without require-	-	No certification label required	
Sisal, Sunn)		ments		• No certification laber required	
Broom	>0%	Allowed without require-	-	No certification label required	
		ments			
Hemp	>0%	Allowed without require-	-	No certification label required	
		ments			
Henequen (Agave)	>0%	Allowed without require-	-	No certification label required	
		ments			
Jute	>0%	Allowed without require-	-	No certification label required	
		ments			
Kapok	>0%	Allowed without require-	-	No certification label required	
		ments			
Linen	>0%	Allowed without require-	-	No certification label required	
-		ments			
Kokos	>0%	Allowed without require-	-	No certification label required	
-		ments			
Maguey (Agave)	>0%	Allowed without require-	-	No certification label required	
		ments			
Nettle	>0%	Allowed without require-	-	No certification label required	
		ments			
All other natural	Up to 30%	Allowed without require-	-	No certification label required	
fibres		ments			

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Animal fibres					
Type of Fibre	Proportion in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions	
Alpaca wool	> 30 %	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS)</li> <li>IVN Naturtextil zertifiziert BEST (IVN BEST)</li> <li>Organic Content Standard (Textile Exchange)</li> </ul>	
Alpaca wool	Up to max. 30% For example	Allowed without require- ments	-	No certification label required	
Angora	<ul> <li>If a product consists of 25% wool and 75% OCS cotton, the product meets the Green Button requirements for fibre and material use.</li> <li>If a product consists of 35% wool and 75% OCS cotton, the product does not meet the Green Button requirements for fibre and material use.</li> <li>This logic applies equally to alpaca, mohair and sheep wool.</li> <li>&gt; 0 % Not allowed</li> </ul>				
Angora (rabbit) Camel hair	> 0 %	Not allowed Allowed without require-		Not allowed	
Cashmere wool	> 0 %	ments Allowed without require- ments	-	No certification label required     No certification label required	
Llama wool	>0 %	Allowed without require- ments	-	No certification label required	
Mohair	> 30%	Allowed with recognised certification label	-	<ul> <li>Global Organic Textile Standard (GOTS)</li> <li>IVN Naturtextil zertifiziert BEST (IVN BEST)</li> <li>Organic Content Standard (Textile Exchange)</li> <li>Responsible Mohair Standard (Textile Exchange)</li> </ul>	



Mohair	Up to max. 30%	Allowed without require- ments	-	•	No certification label required
Sheep wool	> 30 %	Allowed with recognised certification label	-	• • •	Global Organic Textile Standard (GOTS) IVN Naturtextil zertifiziert BEST (IVN BEST) Organic Content Standard (Textile Exchange) Responsible Wool Standard (Textile Exchange)
Sheep wool	Up to max. 30 %	Allowed without require- ments	-	•	No certification label required
Silk	> 0 %	Allowed without require- ments	-	•	No certification label required
Yak wool	> 0 %	Allowed without require- ments	-	•	No certification label required
All other animal fibres	> 0 %	Allowed without require- ments	-	•	No certification label required



Other materials						
Type of Material	Proportion in End Product	Approval Condition	Definition of Exception	Recognised Certification Labels and Evidence for Exceptions		
Down and feathers	> 30 %	Allowed with recognised certification label	-	<ul> <li>Responsible Down Standard (Textile Exchange)</li> <li>NEU: bluesign<sup>®</sup> PRODUCT</li> </ul>		
	in the follow • A jacket and mat	r example: cording to the EU Textile Labelling Regulation, for textile products consisting of several components, each component must be indicated separately. This results the following for the Green Button: A jacket made of an outer fabric made of 100% GRS polyester and a filling made of 100% RDS-certified down meets the Green Button requirements for fibre and material use. A jacket made of an outer fabric of 100% GRS polyester and a filling of 100% down <u>does not meet</u> the Green Button requirements for fibre and material use.				
Down and feathers	Up to max. 30 %	Allowed without require- ments	-	No certification label required		
Fur	>0%	Not allowed	-	Not allowed		
Leather	> 0 %	Not allowed	-	Not allowed		
Natural latex	> 0 %	Allowed without require- ments	-	No certification label required		
Natural rubber	> 0 %	Allowed without require- ments	-	No certification label required		
Spelt husks	> 0 %	Allowed without require- ments	-	No certification label required		
TPU (membrane)	>0%	Allowed without require- ments	-	No certification label required		



All other fibres	Up to max.	Allowed without require-	-		No contification labol required
and materials not	3 %	ments		•	No certification label required
listed					