

## Appendix 30 Declaration form AI0028 - fibre production - Synthetic fibres

To be used in conjunction with an application for a licence for the Nordic Swan Ecolabel of furniture and fitments.

This declaration shall be filled out and signed by the **producer/suppliers of synthetic fibres** for use in in Furniture and fitments and textiles. Examples of synthetic fibres are acrylic fibres, polyester, elastane, polyamide and polypropylene.

### General information

Please state the name of the fibre and trade name:		
Please state the type of fibre:		
Please state the name of manufacturer/supplier:		
	YES	NO
Is the fibre certified with the Nordic Swan Ecolabel or EU Ecolabel?	<input type="checkbox"/>	<input type="checkbox"/>
If yes, please state the licence number:		

O110 Synthetic fibres		
Synthetic fibres must either be recycled or meet the requirements below for acrylic, polyamide, polyester or polypropylene.		
	YES	NO
Is the synthetic fibre recycled material*? <i>* Recycled material is defined according to ISO 14021.</i>	<input type="checkbox"/>	<input type="checkbox"/>
Is the synthetic fibre acrylic material?	<input type="checkbox"/>	<input type="checkbox"/>
Is the synthetic fibre polyamide material?	<input type="checkbox"/>	<input type="checkbox"/>
Is the synthetic fibre polyester material?	<input type="checkbox"/>	<input type="checkbox"/>
Is the synthetic fibre polypropylene material?	<input type="checkbox"/>	<input type="checkbox"/>

### Recycled fibres

O110 - Recycled synthetic fibres		
Recycled plastics must not be used if they are approved for food contact and originate from facilities that are EFSA* or FDA** approved or are marketed as compliant with these.		
<i>* In line with Commission Regulation (EC) No 282/2008 of 27 March 2008 on recycled plastic materials and articles intended to come into contact with foods.</i> <i>** In line with the Code of Federal Regulations Title 21: Food and Drugs, PART 177 – INDIRECT FOOD ADDITIVES: POLYMERS.</i>		
	YES	NO
Is the synthetic fibre made from recycled plastic approved for food contact and originate from facilities that are EFSA* or FDA** approved or are marketed as compliant with these.	<input type="checkbox"/>	<input type="checkbox"/>

O114 - Recycled fibres - test for environmentally harmful substances			
Exemption applies to:			
<ul style="list-style-type: none"> <li>- PET bottles that are used in the production of polyester and</li> <li>- Chemically recycled polymers that perform chemical purification.</li> </ul>			
	YES	NO	
Are the recycled fibres certified to Oeko-Tex 100 class I or II?	<input type="checkbox"/>	<input type="checkbox"/>	
<b>If yes, please attach:</b> <ul style="list-style-type: none"> <li>- Valid Oeko-Tex 100 class I or II certificate.</li> </ul>			
<b>If NO, please:</b> <ul style="list-style-type: none"> <li>- Fill out the table below.</li> <li>- Attach test report(s).</li> <li>- Attach a routine showing that the area of declaration is fulfilled for each batch of recycled fibre produced.</li> </ul>			
All recycled fibres/raw materials (from natural and synthetic origin) shall not contain the following substances above the limits stated in the table below:			
<b>Substance/substance group</b>	<b>Max. limit</b>	<b>Compliant</b>	
		YES	NO
<b>Metals</b>			
Chromium total	1.0 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Lead	0.1 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Mercury	0.02 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Cadmium	0.1 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
<b>Organic tin compounds</b>			
TBT and TPhT	0.5 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Total of DBT, DMT, DOT, DPhT, DPT, MOT, MMT, MPhT, TeBT, TeET, TCyHT, TMT, TOT, TPT	1.0 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
<b>Chlorophenols</b>			
Pentachlorophenol	0.05 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Tetrachlorophenol	0.05 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Trichlorophenol	0.2 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Dichlorophenol	0.5 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Monochlorophenol	0.5 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
<b>Per- and polyfluorinated compounds</b>			
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Me-FOSE, N-Et-FOSE	Total < 1.0 µg/m <sup>2</sup>	<input type="checkbox"/>	<input type="checkbox"/>
PFOA	< 1.0 µg/m <sup>2</sup>	<input type="checkbox"/>	<input type="checkbox"/>
PFHpA, PFNA, PFDA, PFUdA, PFDaA, PFTrDA, PFTeDA	0.05 mg/kg for each	<input type="checkbox"/>	<input type="checkbox"/>
Other stated per- and polyfluorinated compounds as set out in Oeko-Tex 100 Annex 5.	0.05 or 0.5 mg/kg for each as stated in Oeko-Tex 100	<input type="checkbox"/>	<input type="checkbox"/>

<b>Phthalates</b>			
BBP, DBP, DEP, DMP, DEHP, DMEP, DIHP, DHNUP, DCHP, DHxP, DIBP, DIHxP, DIOP, DINP, DIDP, DPrP, DHP, DNOP, DNP, DPP	Total 0.1% by weight	<input type="checkbox"/>	<input type="checkbox"/>
<b>Flame retardants</b>			
Flame retardants, with the exception of flame retardants approved by Oeko-Tex	< 100 mg/kg for each	<input type="checkbox"/>	<input type="checkbox"/>
Formaldehyde	16 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Arylamines with carcinogenic properties stated in Oeko-Tex 100 Annex 5	Total 20 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Surfactant, wetting agent residues		<input type="checkbox"/>	<input type="checkbox"/>
Nonylphenol, octylphenol, heptylphenol, pentylphenol	Total 10 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Nonylphenol, octylphenol, heptylphenol, pentylphenol, nonylphenol ethoxylate and octylphenol ethoxylate	Total 100 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
<b>Dyes</b>			
Cleavable, classified as carcinogenic in Oeko-Tex Annex 5	Total 20 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Cleavable aniline as listed in Oeko-Tex Annex 5	Total 100 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Classified as carcinogenic in Oeko-Tex Annex 5	50 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Dyes classified as allergenic in Oeko-Tex Annex 5	50 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
Other dyes listed in Oeko-Tex Annex 5	50 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
<b>Pesticides (for recycled natural fibre)</b>			
Pesticides listed in Oeko-Tex 100 Annex 5	Total 0.5 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>

## Acrylic fibres

Beware that recycled acrylic fibre is obliged to meet the requirements for recycled fibres above.

O110 - Acrylic fibres		
<p>The following applies to virgin acrylic fibres:</p> <ul style="list-style-type: none"> <li>- The residual acrylonitrile content in raw fibres from the fibre production plant must be less than 1.5 mg/kg. The amount of acrylonitrile must be measured using the following method of analysis: Extraction with boiling water and quantification with capillary gas-liquid chromatography.</li> <li>- N,N-Dimethylacetamide (DMAc, CAS No. 127-19-5) must not be used in the production of acrylic.</li> </ul>		
Please state the residual acrylonitrile content in raw fibres from the fibre production plant (mg/kg):		
	<b>YES</b>	<b>NO</b>
Is N,N-Dimethylacetamide (DMAc, CAS No. 127-19-5) used in the production of acrylic fibres?	<input type="checkbox"/>	<input type="checkbox"/>
<p>Please attach:</p> <ul style="list-style-type: none"> <li>- Test results of the amount of acrylonitrile. Method of analysis must be extraction with boiling water and quantification with capillary gas-liquid chromatography.</li> </ul>		

## Polyamide fibre

Be aware that recycled polyamide fibre is obliged to meet the requirements for recycled fibres.

O110 - Polyamide fibres		
<p>The following applies to virgin polyamide fibres:</p> <p>Emissions of nitrous oxide (N<sub>2</sub>O) to the air from the production of monomers must not exceed</p> <ul style="list-style-type: none"> <li>- 10 g/kg produced polyamide 6-fibre</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>- 50 g/kg produced polyamide 6.6-fibre, expressed as an annual average</li> </ul>		
<p>Please state the emission of nitrous oxide (N<sub>2</sub>O) to the air from the production of monomers expressed as an annual average (g/kg) for both 6-fibre and 6.6 fibre.</p>		
<p>Please attach:</p> <ul style="list-style-type: none"> <li>- Test report that shows the emission of nitrous oxide.</li> </ul>		

## Polyester fibre

Be aware that recycled polyester fibre is obliged to meet the requirements for recycled fibres.

O110 - Polyester fibres		
<p>The following applies to virgin polyester fibres:</p> <ul style="list-style-type: none"> <li>- The amount of antimony in polyester fibre measured as an annual average must not exceed 260 ppm. Antimony must be tested using the following method: Direct determination by atomic absorption spectrometry. The test must be conducted on raw fibre prior to wet treatment.</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>- The amount of extractable antimony in the final textile must not exceed 30 mg/kg (30 ppm) for tests done with extractable antimony using AAS and ICP spectrometry (identically to requirement in Oeko-Tex 100).</li> </ul>		
<p>Please state the amount of antimony in polyester fibre measured as an annual average (ppm):</p>		
<p>Please state the extractable amount of antimony in the final textile (mg/kg):</p> <p>Alternative: Attach valid OEKO-TEX100, class I or II certificate showing fulfilment of the requirement.</p>		
<p>Please attach:</p> <p>Test report. The method of analysis must be direct determination by atomic spectrometry and must be conducted on raw fibre prior to wet treatment.</p>		

## Polypropylene fibre

Be aware that recycled polypropylene fibre is obliged to meet the requirements for recycled fibres.

O110 - Polypropylene fibres		
<p>The following applies to virgin polypropylene fibres:</p> <ul style="list-style-type: none"> <li>- Lead-based pigments must not be used.</li> </ul>		
	YES	NO
Are lead-based pigments used in the production of polypropylene fibres?	<input type="checkbox"/>	<input type="checkbox"/>

**Producer/Supplier's signature**

Place and date:	Company name:
Responsible person:	Signature of responsible person:
Phone:	E-mail: