

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 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:		

O112 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

O112 - Recycled synthetic fibres		
<p>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.</p> <p><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></p> <p><i>** In line with the Code of Federal Regulations Title 21: Food and Drugs, PART 177 – INDIRECT FOOD ADDITIVES: POLYMERS.</i></p>		
	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"/>

O116 - Recycled fibres - test for environmentally harmful substances																																																	
<p>Exemption applies to:</p> <ul style="list-style-type: none"> - PET bottles that are used in the production of polyester <p>and</p> <ul style="list-style-type: none"> - Chemically recycled polymers that perform chemical purification. 																																																	
	YES	NO																																															
Are the recycled fibres certified to Oeko-Tex 100 class I or II?	<input type="checkbox"/>	<input type="checkbox"/>																																															
<p>If yes, please attach:</p> <ul style="list-style-type: none"> - Valid Oeko-Tex 100 class I or II certificate. 																																																	
<p>If NO, please:</p> <ul style="list-style-type: none"> - Fill out the table below. - Attach test report(s). - Attach a routine showing that the area of declaration is fulfilled for each batch of recycled fibre produced. <p>All recycled fibres/raw materials (from natural and synthetic origin) shall not contain the following substances above the limits stated in the table below:</p>																																																	
<table border="1"> <thead> <tr> <th rowspan="2">Substance/substance group</th> <th rowspan="2">Max. limit</th> <th colspan="2">Compliant</th> </tr> <tr> <th>YES</th> <th>NO</th> </tr> </thead> <tbody> <tr> <td colspan="4">Metals</td> </tr> <tr> <td>Chromium total</td> <td>1.0 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Lead</td> <td>0.1 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Mercury</td> <td>0.02 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Cadmium</td> <td>0.1 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4">Organic tin compounds</td> </tr> <tr> <td>TBT and TPhT</td> <td>0.5 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Total of DBT, DMT, DOT, DPhT, DPT, MOT, MMT, MPhT, TeBT, TeET, TCyHT, TMT, TOT, TPT</td> <td>1.0 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="4">Chlorophenols</td> </tr> <tr> <td>Pentachlorophenol</td> <td>0.05 mg/kg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>				Substance/substance group	Max. limit	Compliant		YES	NO	Metals				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"/>	Organic tin compounds				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"/>	Chlorophenols				Pentachlorophenol	0.05 mg/kg	<input type="checkbox"/>	<input type="checkbox"/>
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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"/>
Per- and polyfluorinated compounds			
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Me-FOSE, N-Et-FOSE	Total < 1.0 µg/m2	<input type="checkbox"/>	<input type="checkbox"/>
PFOA	< 1.0 µg/m2	<input type="checkbox"/>	<input type="checkbox"/>
PFHpA, PFNA, PFDA, PFUDa, PFDaA, PFTTrDA, 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"/>
Phthalates			
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"/>
Flame retardants			
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"/>
Dyes			
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"/>
Pesticides (for recycled natural fibre)			
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.

O112 - Acrylic fibres		
<p>The following applies to virgin acrylic fibres:</p> <ul style="list-style-type: none"> - 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. - N,N-Dimethylacetamide (DMAc, CAS No. 127-19-5) must not be used in the production of acrylic 		
Please state the residual acrylonitrile content in raw fibres from the fibre production plant (mg/kg):		
	YES	NO
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"> - Test results of the amount of acrylonitrile. Method of analysis must be extraction with boiling water and quantification with capillary gas-liquid chromatography. 		

Polyamide fibre

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

O112 - Polyamide fibres		
<p>The following applies to virgin polyamide fibres:</p> <p>Emissions of nitrogen dioxide (N₂O) to the air from the production of monomers must not exceed</p> <ul style="list-style-type: none"> - 10 g/kg produced polyamide 6-fibre <p>and</p> <ul style="list-style-type: none"> - 50 g/kg produced polyamide 6.6-fibre, expressed as an annual average 		
Please state the emission of nitrogen dioxide (N ₂ 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>Please attach:</p> <ul style="list-style-type: none"> - Test report that shows the emission of nitrogen dioxide. 		

Polyester fibre

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

O112 - Polyester fibres		
<p>The following applies to virgin polyester fibres:</p> <ul style="list-style-type: none"> - The amount of antimony in polyester fibre measured as an annual average must not exceed 260 ppm <p>or</p> <ul style="list-style-type: none"> - 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). - 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. 		

Please state the amount of antimony in polyester fibre measured as an annual average (ppm):
Please state the extractable amount of antimony in the final textile (mg/kg):
Alternative: Attach valid OEKO-TEX100, class I or II certificate showing fulfilment of the requirement.
Please attach: Test report. The method of analysis must be direct determination by atomic spectrometry and must be conducted on raw fibre prior to wet treatment.

Polypropylene fibre

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

O112 - Polypropylene fibres		
The following applies to virgin polypropylene fibres: - Lead-based pigments must not be used.		
	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:	Mail: