



ENTERPRISE SOLUTIONS

110 – Textiles process

**134 – Materials, Trims and Packaging Label
Management**

Process Manual

Last update: April 2016

Contents

1. Process.....	3
1.1 Definition	3
1.2 List of tasks	3
1.3 Terminology and convention	3
2. Materials, Trims and Packaging-Label Development	3
2.1 Materials categorization	3
3. Branches	4
3.1 Description branch	4
3.2 Attributes branch	4
3.3 SKU branch	4
3.4 BOM BOL Costs, Sourced Cost and details branches	5
3.5 Quality Test branch	5
3.6 Lab dip branch.....	5
4. Annex of Specifications of Material categories	6
4.1 Bonded Material category	6
4.2 Denim category	7
4.3 Fur category	9
4.4 Knit category	10
4.5 Leather category	12
4.6 Non Woven category.....	13
4.7 Other Woven category	14
4.8 Yarn category	14
4.9 Fabrics category.....	15

1. PROCESS

This is a sub-process, part of the **Textile processes**.

1.1 Definition

This process is where the commercial aspects of the Raw Materials are managed, including prices, dimensions, colors, vendors and quantities. This data feeds the Bill of Materials and Costing processes, and is used in the Lab Dip task.

1.2 List of tasks

- Creation of a Material/Trim/Packaging Label or Label either new or from a template
- Entry of the base data and associated illustrations
- Definition of the variation attributes (colors, vendors etc.)
- Management of lifecycle state and schedule material development tracking
- Creation of Material Bill Of Material, Bill Of Labor and calculate costing
- Attachment of either templates or illustrated instructions to materials
- Communication of the material technical pack and change tracking

1.3 Terminology and convention

Administration tool	=	PLM Manager
SKU	=	Stock Keeping Unit

2. MATERIALS, TRIMS AND PACKAGING-LABEL DEVELOPMENT

This manual explains the basics of the **Materials**, **Trims** and **Packaging-Label** products. The development process is similar to the development of a **Style** (see the *Enterprise Solution - Style Setup Process Manual*). In this document, only the specificities of the **Materials**, **Trims** and **Packaging Label** products will be detailed.

2.1 Materials categorization

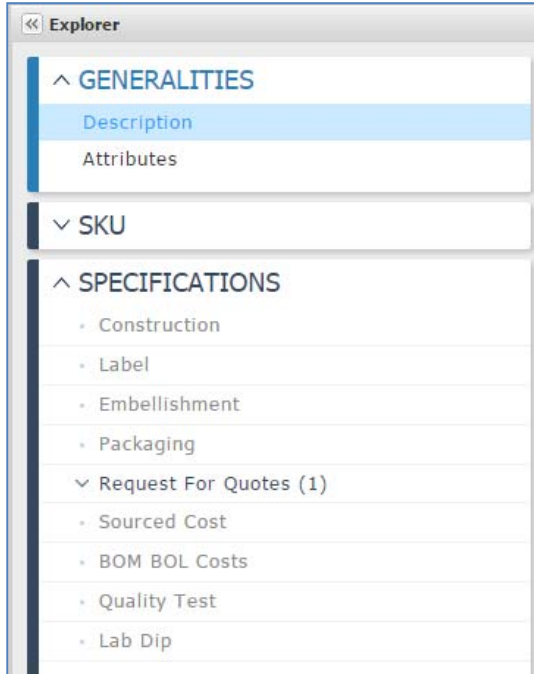
A list of categories is provided on installation of the solution (see attached table). Depending on the types of fabrics, the lookup values are adapted. Whenever you want to create a new fabric, you can choose a category or subcategory from the start indicating that fabric.

Ex: **Denim**

This list of categories may be modified in the administration.

3. BRANCHES

In the same way as for a **Style**, you are provided with the following branches:



3.1 Description branch

3.1.1 Objectives tab

Compared with **Style Products**, in a **Material**, **Trim** and **Packaging-Label** product, for all available categories, there is a specific **Specifications** section. It allows the user to define precisely the characteristics of the category from a data base of examples provided with the application.

This branch, as for **Style Product**, enables the user to define the identity and the characteristics of the product to develop.

3.1.2 Other tabs

As for **Style Products**, the following tabs are available: **Cost and Margin**, **Composition** and **Care Symbols**.

3.2 Attributes branch

As for **Style Products**, the following attributes are available: **Colors**, **Sizes** and **Suppliers/Vendors** as well as some classification elements such as **Seasons** or **Brands**. For the latter, several values can be defined and they allow specifying in which seasons and/or brands a material or trim is used.

3.3 SKU branch

SKUs are mainly used:

- To define unit prices depending on color and supplier, and sometimes on size or even season.
- To define Lab dip depending on color and supplier or even on season

3.4 BOM BOL Costs, Sourced Cost and details branches

These branches are useful when the **Material** or **Trim** is composed of various elements (for example a fabric glued onto foam and cut into strips that are consumed in meter, or a pair of jeans' button with its stud and decoration). These branches enable the description of the component and the calculation of cost and colorways combination necessary to its creation.

3.5 Quality Test branch



This branch will be used for the tests that do not depend on color.

3.6 Lab dip branch

The "LabDips" (color approval) will be used for the complex iterative developments of colorways and/or for the fabric tests that depend on color.

4. ANNEX OF SPECIFICATIONS OF MATERIAL CATEGORIES





















4.1 Bonded Material category

Specifications	Content
Material type	 / <ul style="list-style-type: none">  Knit-and-Knit  Knit-and-Non-Woven  Knit-and-Woven  Non-Woven-and-Knit  Non-Woven-and-Non-Woven  Non-Woven-and-Woven  Woven-and-Knit  Woven-and-Non-Woven  Woven-and-Woven
Usage type	 / <ul style="list-style-type: none">  Permanent  Temporary
Mechanical finish	<ul style="list-style-type: none"> ‣ Airo ‣ Aqua Sanded ‣ Beetled ‣ Both side shear ‣ Brushed ‣ Brushed back ‣ Chintz ‣ Compacted ‣ Crinkled ‣ Crushed ‣ Micro Sanded ‣ Mill Washed ‣ Mlnisand ‣ Normal ‣ One side shear ‣ Others ‣ Peached ‣ Pleated ‣ Regular ‣ Sand Washed ‣ Sanforized ‣ Stone Washed

Chemical finish	<ul style="list-style-type: none"> › Desized › Easy to Iron (ETI) › Mercerized › Milky Coated › Nano › Non-Iron › Oil Repellent › Preshrunk › PU Coated › Silicone › Teflon › Water Repellent › Water Resistant › Wax Coated
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4.2 Denim category

Specifications	Content
Mechanical finish	See <u>Bonded Fabric category</u>
Chemical finish	See <u>Bonded Fabric category</u>
Weave type	<ul style="list-style-type: none"> ■ / ■ Basket ■ Harness-Sateen ■ Herringbone ■ Oxford ■ Rain
Weave direction	<ul style="list-style-type: none"> ■ / ■ Right-Hand-Twill ■ Broken-Twill ■ Left-Hand-Twill
Warp weft Direction	<ul style="list-style-type: none"> ■ / ■ 1x1 ■ 2x1 ■ 2x2 ■ 3x1 ■ 4x1





















































Warp spinning method	 / <ul style="list-style-type: none">  Compact  Dropdown  Hand  Open-End  Ringspun  Slro  Slub-Open-End  Slub-Ring-Spun  Wet
Weft spinning method	 / <ul style="list-style-type: none">  Compact  Dropdown  Hand  Open-End  Ringspun  Slro  Slub-Open-End  Slub-Ring-Spun  Wet
Dye classification	<ul style="list-style-type: none"> › Acid › Cationic › Chrome-Dyes › Direct › Disperse › Indigo+Sulphur-Bottom › Indigo+Sulphur-Top › Indigo-Dye › Indigo-Vat-Bottom › Metal-Complex-Dyes › Napthol › PFGD › Pigment › Reactive › Sulphur › Sulphur-Bottom › Vat

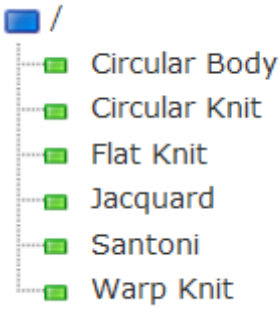
Dye process	<ul style="list-style-type: none"> › Cross Dye › PFGD › Piece Dye › Printed › Rope Dye › Top Dye › Yarn Dye
Printing method	Batik Block Discharge Overprint Rotary Screen-Print Transfer
Printing Inks dyestuffs	<ul style="list-style-type: none"> › Acid › Direct › Disperse › Pigment › Reactive

4.3 Fur category


Specifications	Content
Animal	
Mechanical finish	See <u>Bonded Fabric category</u>
Chemical finish	See <u>Bonded Fabric category</u>

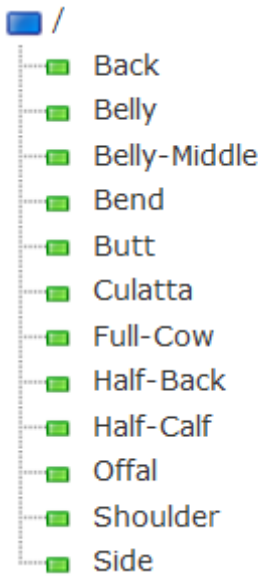
4.4 Knit category

Specifications	Content
Fabric type	<ul style="list-style-type: none">  /  Auto-Stripe  Bonded  Dazzle  Double  Double-Jacquard  Double-Pique  Drop-needle  Engineered-Stripe  Faux-Fur  Feeder-Stripe  Flat-Knit  Fleece  French-Terry  Grindle  Interlock  Jacquard  Jaspe  Matte-jersey  Mesh  Micro-Pique  Microfleece  Pique  Plaited  PointeIle  Polar-Fleece  Ponte-de-Roma  ProfIone  Radchel-Knit- Lace  Raschel-Knit  Rib  Seamless-Tubular  Sherpa  Single  TBD  Terry  Thermal  Tricot-Faux-Suede  Tricot-Knit  Velour  Warp-Knit
Spinning type	<ul style="list-style-type: none">  /  Carded  Combed  Hi-Twist  Open-End  Ringspun  Semi-Combed  Semi-Worsted  Slub  Woolen  Worsted


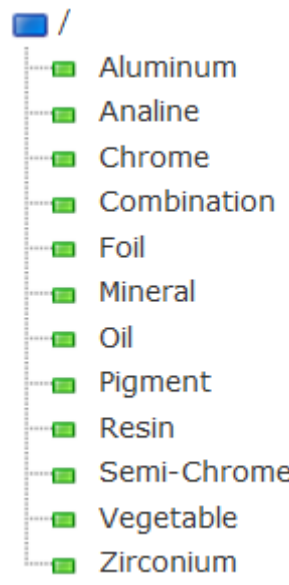
Knitting machine type	 <p>A selection interface for knitting machine types. It features a blue square icon with a white slash (/) at the top left. Below it is a vertical list of six items, each preceded by a green square icon: Circular Body, Circular Knit, Flat Knit, Jacquard, Santoni, and Warp Knit.</p>
Mechanical finish	See Bonded Fabric category
Chemical finish	See Bonded Fabric category
Dy classification	See Denim category
Dye process	See Denim category
Printing method	See Denim category
Printing Inks dyestuffs	See Denim category

4.5 Leather category

Specifications	Content
Skin type	<ul style="list-style-type: none"> ‣ Deer ‣ Elephant ‣ Fish ‣ Goat ‣ Heavy Sheep ‣ Horse ‣ Kid ‣ Lamb ‣ Merino Lamb ‣ Merino Wool Shearling ‣ Ostrich ‣ Ox ‣ Pig ‣ Rabbit ‣ Reptile ‣ Shearling ‣ Sheep ‣ Steer
Tanning method	 / <ul style="list-style-type: none"> <input type="checkbox"/> Aluminum <input type="checkbox"/> Aniline <input type="checkbox"/> Chrome <input type="checkbox"/> Combination <input type="checkbox"/> Foil <input type="checkbox"/> Mineral <input type="checkbox"/> Oil <input type="checkbox"/> Pigment <input type="checkbox"/> Resin <input type="checkbox"/> Semi-Chrome <input type="checkbox"/> Vegetable <input type="checkbox"/> Zirconium

Hide region	 <ul style="list-style-type: none"> <input type="checkbox"/> / <input type="checkbox"/> Back <input type="checkbox"/> Belly <input type="checkbox"/> Belly-Middle <input type="checkbox"/> Bend <input type="checkbox"/> Butt <input type="checkbox"/> Culatta <input type="checkbox"/> Full-Cow <input type="checkbox"/> Half-Back <input type="checkbox"/> Half-Calf <input type="checkbox"/> Offal <input type="checkbox"/> Shoulder <input type="checkbox"/> Side
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4.6 Non Woven category


Specifications	Content
Fabric type	 <ul style="list-style-type: none"> <input type="checkbox"/> / <input type="checkbox"/> Felt <input type="checkbox"/> Vinyl
Tanning method	 <ul style="list-style-type: none"> <input type="checkbox"/> / <input type="checkbox"/> Aluminum <input type="checkbox"/> Aniline <input type="checkbox"/> Chrome <input type="checkbox"/> Combination <input type="checkbox"/> Foil <input type="checkbox"/> Mineral <input type="checkbox"/> Oil <input type="checkbox"/> Pigment <input type="checkbox"/> Resin <input type="checkbox"/> Semi-Chrome <input type="checkbox"/> Vegetable <input type="checkbox"/> Zirconium
Mechanical finish	See Bonded Fabric category
Chemical finish	See Bonded Fabric category

4.7 Other Woven category

Specifications	Content
Mechanical finish	See Bonded Fabric category
Chemical finish	See Bonded Fabric category
Weave type	See Denim category
Weave direction	See Denim category
Warp weft Direction	See Denim category
Weft spinning method	See Denim category
Dy classification	See Denim category
Dye process	See Denim category
Printing method	See Denim category
Printing Inks dyestuffs	See Denim category

4.8 Yarn category

Specifications	Content
Spinning type	Voir Knit category
Knitting machine type	 <ul style="list-style-type: none">  /  Circular Body  Circular Knit  Flat Knit  Jacquard  Santoni  Warp Knit
Mechanical finish	See Bonded Fabric category
Chemical finish	See Bonded Fabric category

Dy classification	See <u>Bonded Fabric category</u>
Dye process	See <u>Bonded Fabric category</u>
Yarn type	 <ul style="list-style-type: none"> <input type="checkbox"/> / <input type="checkbox"/> Boucle <input type="checkbox"/> Chainelle <input type="checkbox"/> Chenille <input type="checkbox"/> Fuzzy Yarn <input type="checkbox"/> Heather <input type="checkbox"/> Marl <input type="checkbox"/> Melange <input type="checkbox"/> Moullne <input type="checkbox"/> Naps Yarn <input type="checkbox"/> Regular Yarn <input type="checkbox"/> Spacedye <input type="checkbox"/> Tape Yarn <input type="checkbox"/> Tweed

4.9 Fabrics category

Specifications	Content
Printing process	<ul style="list-style-type: none"> ‣ Cross-Dye ‣ PFGD ‣ Piece-Dye ‣ Printed ‣ Rope-Dye ‣ Top-Dye ‣ Yarn-Dye

Finishing	<ul style="list-style-type: none"> › Airo › Aqua Sanded › Beetled › Both side shear › Brushed › Brushed back › Chintz › Compacted › Crinkled › Crushed › Desized › Easy to Iron (ETI) › Mercerized › Micro Sanded › Milky Coated › Mill Washed › Mnisand › Nano › Non-Iron › Normal › Oil Repellent › One side shear › Others › Peached › Pleated › Preshrunk › PU Coated › Regular › Sand Washed › Sanforized › Silicone › Stone Washed › Teflon › Water Repellent › Water Resistant › Wax Coated
Repeat type	<ul style="list-style-type: none"> › Allover › Half-drop › Irregular › Spot repeat › Straight repeat