

Oil based waterproof agent C6103

FLUORO CHEMICAL RESIN SOLUTION FOR ARTIFICIAL LEATHER

EXCELLENT WATER REPELLENCY & HYDROLYSIS RESISTANCE ENVIRONMENT - FRIENDLY PRODUCT (PFOA FREE)

C6103 is solvent soluble fluoro chemical resin for P/U coating to make artificial leather, it can be mixed with P/U resin, DMF and toner. Artificial leather treated by C6103 has got a excellent properties as water & oil repellency and chemical resistance(acid resistance • alkali resistance • especially, hydrolysis resistance).C6103 doesn't contain PFOA (Perfluorooctanoic acid). It is a environment-friendly fluoro carbon base water repellent.

<GENERAL PROPERTIES>

Appearance:Transparency or semi-transparency yellow liquid

Effective component:Above 60% (at 105°C X 90min)

Viscosity:below 2000 cps (at25°C)

Solvent:DMF /MEK

<SPECIFICATIONS>

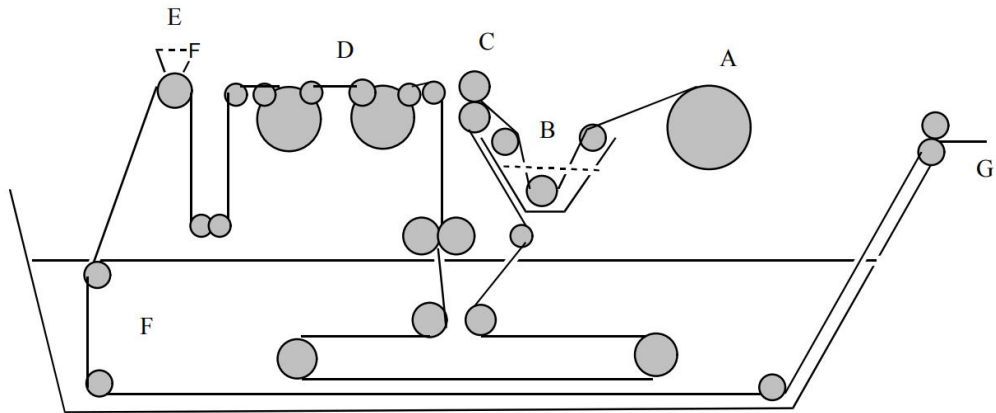
1. C6103 is PFOAfree fluoro carbon base water repellent.
2. C6103 is a environment-friendly product.
3. C6103 has a very low surface tension energy.
4. C6103 has a excellent water & oil repellency.
5. P/U coating film treated by C6103 has got a excellent properties as chemical resistance(acid resistance • alkali resistance • especially, hydrolysis resistance).
6. C6103 has low moisture absorbtion and high grade hydrostatic pressure effect to treated fabrics.
7. C6103 can be used mixing with P/U resin, solvent and toner without any catalyst and cross linker.
8. C6103 has a good compatibility with various P/U resin.

<APPLICATIONS>

1. Artificial leather wet-dipping process.

* Recipe	:	PU Resin	:	100
		C6103	:	0.3 - 0.8
		Toner	:	5
		DMF	:	220 - 250

⇒ Parts of P/U resin 100



Picture (1)

- A : NWF (220g/m^2)
- B : Dipping solution
- C : Squeezing roller (Pick up : 700g/m^2)
- D : Heating drum (Semi-drying, Moisture : 20-50%)
- E : Coating solution
- F : Coagulation bath (DMF : 20-25% + Water : 75-80%, Temp : $25-35^\circ\text{C}$)
- G : Washing

2. Artificial leather wet-coating process

* Recipe	:	PU Resin	:	100
		C6103	:	0.5 - 1.0
		Toner	:	5
		DMF	:	40 - 50

⇒ Parts of P/U resin 100

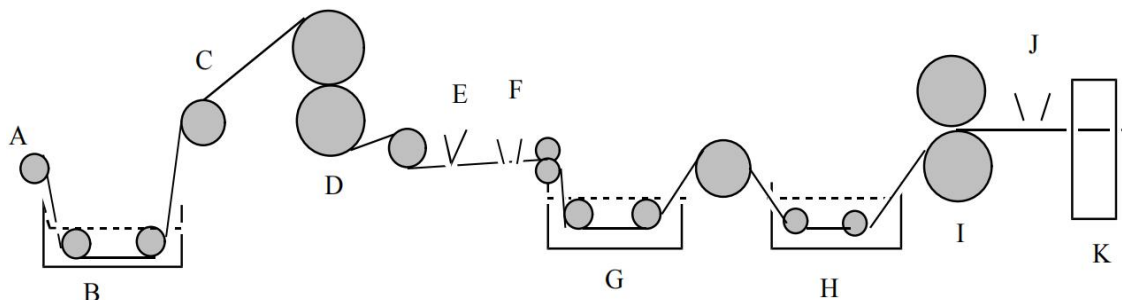
* rocess : Same as picture (1)

3. Water proof and breathable fabrics wet-coating process.

- * Recipe : PU Resin : 100
- Surfactant : 2 - 3
- C6103 : 0.5 - 0.7
- Toner : 5
- DMF : 50 - 70

⇒ Parts of P/U resin 100

* Process



Picture (2)

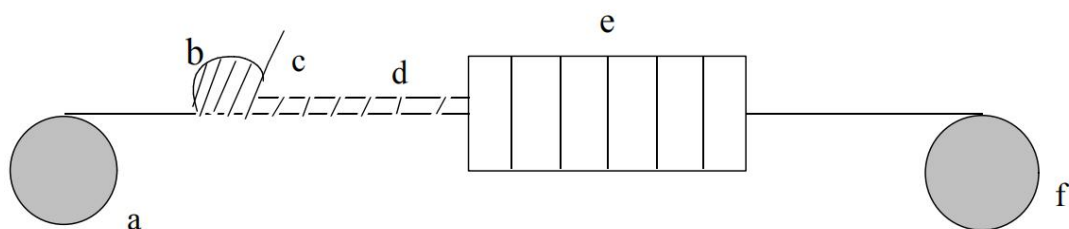
- | | |
|-------------------------------|-----------------------------------|
| A : Fabric | G : Coagulation bath |
| B : Water bath W/R agent bath | H : Washing bath |
| C : Mangle | I : Dryer |
| D : Semi-dryer | J : Finishing agent treating bath |
| E : Under-coating | K : Curing tent |
| F : Top-coating | L : Finished fabric |

4. Water proof and breathable fabrics dry-coating process.

- * Recipe : PU Resin : 100
- Surfactant : 2 - 3
- C6103 : 0.2 - 0.6
- Toner : 5
- DMF : 50 - 70

⇒ Parts of P/U resin 100

* Process



A : Fabric

B : Resin

C : Coater

D : Coating fabric

E : Tentor

F : Finished fabric

<STORAGE AND HANDLING>

1. Store in -5°C ~ 40°C. Avoid from direct fire and light.
2. Close a cover fasten.

< CAUTION >

Don't eat this product and further detail contents is in MSDS.

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