

spgprints®



## **Fleece printing**

Higher add-on and stability.

ST90

### Higher add-on stability

Voluminous pile fabrics often need higher quantity of paste add-on to fulfill the desired printing effects. They require screens, which are not available among the common range of rotary printing textile printing screens.

In the past printers had to compensate the lack of suitable screens for this printing style by using high printing pressure and low printing speed. Generating a lot of mechanical load on the screens caused wrinkles and screen breakage easily.

A typical material to be mentioned is PES fleece. Its voluminous yarns and the pile structure are creating a warming effect surpassing wool. Therefore, fleece is typically used for blankets and sportswear. Printing on this material means, that the penetration into the substrate must be high so to avoid an undesired poor printing coverage. The length and orientation of the 3-D fiber-matrix does not allow fine printing. Therefore, it is not useful to apply high mesh screens to meet the imaging capacity (power) of this hairy material.

### The solution

Taking those requests into account, SPGPrints developed a new special screen featuring a high open area in combination with a mesh size, which is perfectly matching the requirements of voluminous fabrics such as fleece or terry towel. In addition, this screen comes with a higher wall thickness as common among regular textile screens, allowing the printer to apply the necessary printing stress without causing the screen to be wrinkled or damaged.



#### ST90

##### Technical specifications

Standard packaging unit: 5

Repeat: 64

Mesh: 90

Thickness (µm): 115

Open area (%): 23

Hole size (µm): 135

##### Benefits

- High add-on for voluminous fabrics without losing mesh
- 115 µm walls to handle high tension

### Global network assuring the highest levels of support

Thanks to our global presence, we understand local market needs and leverage our strengths through an international network of global manufacturing facilities and a distribution foothold in more than 100 countries. We set industry standards in technology, product performance and service.

For further (contact) information, please visit [www.spgprints.com](http://www.spgprints.com)

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