

# Digital Printing Thickener

## DGT-6

Digital printing technology requires more high quality of thickener, especially for contour sharpness and hand feel. During the printing, ink is sprayed onto the cloth which already has thickener coating on it. It is required not only to permeate quickly, but also keep a good contour and sharpness. Because of the structure of digital printing machine, cloth cannot be dried on the same machine like a traditional rotary screen (flat screen) printing machine, so it requires a higher level of water-based thickener to hold the color. In printing, the permeability and contour sharpness are contradiction. Thus it is quite important to choose a good thickener. Digital printing thickener DGT-6 meets all the requirements.

### Product description and features

Properties : mixture of modified starch compounds  
Appearance : Light yellow mixture  
Solubility : Soluble in cold water  
Adaptation : Activated inkjet printing

### Reference Material to Make Thickener

3%-3.5% DGT-6 is used for thickener based on the type of machine. Different machine requires different viscosity, also different concentration.

### Operation Procedure

Add sodium sulfate into water with continuous stirring, then add the sodium bicarbonate and urea. After all additives are dissolved, slowly add the final ingredient - DGT-6. Stir for 5 minutes after all things added in, then leave for expansion. Keep it overnight and stir a little bit the next day. If you need a particular good hand feel of your cloth material, it is suggested that purified Alginate is used in conjunction with DGT-6. The best proportion for DGT-6 and purified Alginate is 7:3 (DGT-6 :Alginate). Spray the color first, then steam and wash the cloth, the rest of the process is same as other traditional printing process.

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**For more information please contact:**

**AURA DESIGNS LIMITED**

Mr. Vikram Saria : +86 15901655338 / vikram@auradesignsltd.com

Ms. Roselyn : +86 13801828416 / roselyn@auradesignsltd.com

Mr. Amit Chadha : +91 9819499648 / amit@auradesignsltd.com

**Technical Support : +86 1380 184 9126 / lww56@126.com**