



## Topic: Special finishes for Synthetic fibers.

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### Content:

**Heat-setting:** Heat-setting of synthetic fabrics eliminates the internal tensions within the fiber, generated during manufacturing, and the new state can be fixed by rapid cooling. This heat setting fixes the fabrics in the relaxed state, and thus avoids subsequent shrinkage or creasing of the fabric.

**Stiffening and filling process:** A stiffening effect is desirable in certain polyamides and polyester materials (e.g. petticoats, collar inner linings), which can be done by reducing the mutual independence of structural elements of fabric by polymer deposition on coating as a fine film.

**Hydrophilic finishes:** Compensate for lower moisture and water absorption capacity in synthetic fiber materials, which become uncomfortable in contact with skin. Certain products make the fabric more pleasant by reducing the cohesion of water so that it spreads over a larger area and thus evaporates more readily.

**Anti-pilling finish:** An unpleasant phenomenon associated with spun yarn fabrics, especially when they contain synthetics. Synthetic fibers are more readily brought to the surface of a fabric due to their smooth

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surface and circular cross-section, and due to their higher tensile strength and abrasion resistance.

**Anti-static finish:** Prevents dust from clinging to the fabric. Anti-static effective chemicals are largely chemically inert and require. Thermasol or heat treatment for fixing on polyester fabrics. In general, thermasol anti-static agents also have a good soil release action, which is as permanent as the anti-static effect.

**Anti-Seam slippage finishes:** Synthetic warp and weft threads in loosely-woven fabrics are particularly prone to slip because of their surface smoothness when the structure of fabric is disturbed and appearance is no longer attractive. Certain Chemical performs the action of preventing excess slippage.

**Fire Resistant or Flame Retardant finish:** To reduce flammability.

For more details about Products & its related application

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“Happy Week ahead”