

How to Build the Hand of Nylon

Typically, nylon is usually heat-set to establish hand and stability but in some cases, a resin after-treatment of acetate is desired. **Orcoset Resin CN™** and **Orco Polyrez 550™** are recommended for nylon to establish hand and stability.

Orcoset Resin CN™

Orcoset Resin CN™ is a non-durable, non-ionic, polyvinyl acetate homopolymer developed for the textile industry to produce maximum stiffness to cotton, synthetics and blends. The dry-rate has been modified to prevent excessive build-up on pad rolls, especially in a three-roll stock. **Orcoset Resin CN™** may be used alone or compounded with other finishing agents such as optical brighteners, starches, or corresponding catalysts.

Orcoset Resin CN™ may be used at concentrations ranging from 2.0% owb in the bath for lightweight fabrics to 10.0% owb in the bath for moderately firm hands. For an extra stiff hand, as much as 15.0% owb to 20.0% owb is frequently used.

Orco Polyrez 550™

If a non-chalking resin is desired for heavier shades, **Orco Polyrez 550™** is recommended. **Orco Polyrez 550™** is a water-dispersible polyester resin for use in textile finishing for hand control on heavy dark shades where "chalking" is encountered with the typical polyvinyl acetate resin emulsions. **Orco Polyrez 550™** can be applied to synthetics and natural fibers.

Dependent on properties desired, **Orco Polyrez 550™** should be applied at room temperature and at a level of 3 - 10 oz/gal. Drying temperature of 250°-280°F(121-133°C) is usually sufficient.