

SYNTHOSPIN™ P-10

CHARACTERISTICS

- A highly concentrated liquid
- An extremely effective nonionic antistatic non-yellowing agent
- As little as 0.125% of actual **SYNTHOSPIN™ P-10** on weight of fabric(owf) is required on application.
- Least critical to gumming, particularly on 100% polyesters and blends, especially during spinning.
- Most versatile on all synthetics (Polyester, Acrylics, modacrylics, Rayons, Acetates, Polypropylene & Nylon), Cotton, and Worsted & Modified Wool.
- Readily soluble in water in any proportions to produce an opalescent solution and is easily scoured
- An excellent tint dispersant
- Does not adversely affect lacquers on bobbins (for identification)
- Will not act as a "paint remover" on metal parts.
- Non-crocking, particularly on stock-dyed or top-dyed polyesters

SPECIFICATIONS

Appearance	- Light amber, clear oily liquid
Solubility	- Clearly soluble in water--all dilutions
pH (2% solution)	- 6-9
Density	- 8.6 lbs/gallon
Flash Point	- > 200 F (closed cup)

APPLICATIONS

COTTON SYSTEM

Since **SYNTHOSPIN™ P-10** is least critical to gumming or loading of the cards, particularly on 100% polyesters and blends thereof; does not cause roll lapping.

We suggest initially in progressing 100% polyesters, that 0.175% to 0.20% be applied owf from a 1:9 cut in water at the opening hopper with or without tint.

With difficult blends, such as dope-dyed or stock-dyed modacrylic/polyester, use 0.2% add-on owf from a 1:9 cut in water. This aids appreciably in reducing carding fly and drop-out from a more compact lap and reduce shedding during spinning.

Mills using lacquer for bobbin identification indicate that **SYNTHOSPIN™ P-10** does not cause softening of this material or sticking to the cans during coiling.

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WORSTED SYSTEM

Tow Conversion

Mills who convert particularly Polyester (Dacron), Rayon, Acrylics, Modacrylic tow, who had problems with too gummy an antistat and could not easily draft or cut the tow, indicate that with the use of **SYNTHOSPIN™ P-10** has virtually eliminated their problems.

Generally 0.25% - 0.5% application owf either neat or in a 1:4 cut in water is recommended to be applied at the crimper roll, the lower percentage (0.25%) should be considered initially.

Spinning

During gilling about 0.25% add-on o.w.f. of **SYNTHOSPIN™ P-10** is recommended either neat or from a 1:4 cut in water, particularly on 100% Dacron, Dacron/Wool blends, or Dacron/Mohair blends.

Top Dyeing

Generally, at the backwasher **SYNTHOSPIN™ P-10** is sprayed either neat or in a 1:4 cut in water at a 0.25% add-on owf.

Needle Felts (Non-Wovens)

Generally, 0.2% to 0.25% of **SYNTHOSPIN™ P-10** depending on the fiber blend supplies the necessary antistatic protection, lubricity, yields and web cohesion.

Resin applications

SYNTHOSPIN™ P-10 may be used to control static in resin coating systems. Typical applications would utilize 1-3% on weight of the resin system used.

Information contained in this technical data sheet is up-to-date and correct to the best of our knowledge at the date of issue and are subject to change. As Organic Dyes and Pigments LLC cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. Organic Dyes and Pigments LLC will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given.

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