Orcofix MN™

Orcofix MN™ is an anionic after-treating and reserving agent for acid and premetallized dyes on nylon.

Physical Properties

Chemical Type	Condensation of sulphonic acids & hydroxaryl sulphone
Appearance	viscous red-brown pourable liquid
Ionic charge	anionic
Solubility	all proportions in water
Stability	excellent stability above pH 4

Advantages

- High shear stability
- Applicable to jet-dyeing

Procedures

After-fixing

After dyeing, rinse goods thoroughly. Set new bath at pH 5.0 - 5.5 with acetic acid and run at 120°F(49°C) for 5 - 10 minutes. Add 2 - 5% **Orcofix MN™** on weight of goods(owg) depending on depth of shade and run additional 10 minutes at 120°F(49°C). Add additional acetic acid to bring pH down to 4.5 - 5.0 and raise temperature to 160-170°F(66-77°C) and hold for 30 minutes. Drop bath and dry.

Nonionic surfactants should not be used in the after-fixing bath.

Reserving

Orcofix MN™ can be used as a reserving agent to prevent the staining of nylon fibers with direct dyes when dyeing nylon/cellulosic blends. **Orcofix MN™** (1.5 - 3.0% owg) is added after the acid dyes are completely exhausted and prior to the addition of direct dyes. Set bath at 110°F(43°C) and adjust to pH 5.5 - 7.0 with acetic acid or trisodium phosphate. Circulate goods for 5 - 10 minutes then add acid dyes. When dye is exhausted at the boil, reduce temperature to 190-200°F(88- 93°C). Add 1.5 - 3.0% owg **Orcofix MN™** in two portions. Continue running for 5 - 10 minutes. Add direct dyes with circulation and run for 5 - 10 minutes prior to adding common salt. Run 30 minutes at 190 - 200°F(88-93°C). Drop bath and salt rinse.

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