

AVCO-GARD AY

PHENOLIC AND NITROGEN OXIDE YELLOWING INHIBITOR FOR TEXTILE FINISHING FOR POLYAMIDE AND CELLULOSIC FIBRES

AVCO-GARD AY is a finishing agent recommended mainly for after treatment of polyamide textiles, but can be used also for cellulosic and polyester fibres and for blends with spandex.

Finishing with AVCO-GARD AY helps to prevent discoloration during storage of textile articles made from polyamide and cellulosic fibres.

AVCO-GARD AY prevents yellowing of white textile articles packed in with BHT containing packaging materials.

SPECIFICATION:

Appearance	Clear yellow, slightly viscous liquid.
Chemical nature	Aqueous preparation of alkyl-sulphonate.
Density (g/cc)	App. 1.1
Ionicity	Anionic
Solubility	Soluble in water
pH	2 - 3
Compatibility	Can be applied with nonionic and anionic products.
Storage	The product may become viscous at 0°C. Fully usable after thawing. Shelf life is at least 12 months.

PROPERTIES & USES:

1. AVCO-GARD AY is a special compound which is used for aftertreatment of polyamide and cellulosic fibres to prevent phenolic and nitrogen oxide yellowing during handling and storage of the finished articles. Replaces traditional acidic after-treatment processes which may cause irritation to the user's skin.
2. Recommended for textiles containing spandex yarns.
3. AVCO-GARD AY has hydrophilic properties.
4. Suitable for application by exhaust and by continuous processes.
4. Easy to handle, water soluble product.
6. Can be applied in one step dyeing and finishing process of polyamide.

Technical – Information

APPLICATION:

I. Application by exhaust method

1. In a fresh bath add AVCO-GARD AY at 2-4% on weight of fabrics.
2. If required adjust pH to 3.5 – 4.5 (preferably with AVCO-CID PHS).
3. Run at 40 – 60C for 15-20 minutes.

II. Application by the padding method

1. Prepare the finishing bath with 30-40 cc/l AVCO-GARD AY.
2. If required adjust pH to 3 – 4.5 (preferably with AVCO-CID PHS).
3. Pad and dry at 140 – 160C.

Remarks:

In order to minimize yellowing, the pH of the finished fabric should be in the range of 5 – 5.5. AVCO-GARD AY can be co-applied with hydrophilic silicone softener such as AVCO-ELASTOSIL JWH. Compatibility with other softeners should be checked in advance