

Technical – Information

AVCO-SIZE BHF

SIZING AGENT FOR WOOVEN

AVCO-SIZE BHF is a new product using the latest polymerization techniques. It is one of the most economical, ecological and efficient product for sizing warp yarn.

AVCO-SIZE BHF is easily desized by washing with hot water at 80-90°C.

SPECIFICATION:

Appearance	White crystal powder.
Chemical nature	High molecular weight of polyacrylamide.
Ionic nature	Weak anionic.
Solubility	Completely water-soluble.
Compatibility	Compatible with all anionic and nonionic chemical.
Storage	0 - 40°C. Shelf life is at least 12 months. After long storage agitate content of drums before use.

PROPERTIES & USES:

1. PERFORMANCE:

- a. Easy to handle and completely water soluble.
- b. Allow higher weaving efficiencies.
- c. Excellent lubricant and non-foaming.
- d. Desizing greatly facilitated.
- e. Compatible with all kinds of yarn and looms except water jet looms.
- f. Resistant to bacterial attack.
- g. Use 4-5 times less than starch.
- h. Use 2-5 times less than PVA.
- i. Suitable for cotton with fine count yarn ($16 \leq Ne < 50$).

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2. ECOLOGICAL CONSIDERATIONS

Very low environment impact.

Reduce BOD and COD.

Decrease 5-10 times sludge formation.

	COD value(mg O ₂ /g)	Biological eliminability (%) - OCDE 302B
Starch	1050	95
CMS	950	90
PVA	1750	90
CMC	900	90
AVCO-SIZE BHF	900	90
Was	2800	90

APPLICATION:

AVCO-SIZE BHF is recommend use together with AVCO-SIZE N in order to replace the compound starch and PVA partially or completely.

1. Size cooking:

- add 80% water in cooking tank.
- add slowly AVCO-SIZE N and AVCO-SIZE BHF in cooking tank at room temperature.
- Heat up to 95°C, keep for 20 mins.
- Add remaining water up to 100%.
- Check viscosity and size content.

2. Dosage:

AVCO-SIZE BHF 2- 4%.

AVCO-SIZE N 1- 3 %