

## Technical - Information

# AVCO-SIZE SPA 50

*SIZING AGENT FOR WOVEN TC FABRIC (TC 83/17, 65/35, PE 100%)*

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

### SPECIFICATION:

<b>Appearance</b>	White powder.
<b>Chemical nature</b>	Blends of modified starch and polymer.
<b>Solubility</b>	Easily soluble in water.
<b>Ionic nature</b>	Weak anionic.
<b>Compatibility</b>	Good.
<b>Storage</b>	0 - 40°C. Stable at least 1 year if store properly. Should keep in a dry, cool place, avoid to contact with water and vapour.

### PROPERTIES & USES:

1. AVCO-SIZE SPA 50 gives higher weaving efficiencies comparing with conventional sizes.
2. AVCO-SIZE SPA 50 has excellent lubricant and low-foaming.
3. Desizing the woven fabric sized with AVCO-SIZE SPA 50 is easier, only by hot water of 80 - 90°C and enzyme, treating time is also shorter.
4. AVCO-SIZE SPA 50 is easy handling and completely soluble in hot water.
5. AVCO-SIZE SPA 50 suitable for high speed weaving loom.
6. AVCO-SIZE SPA 50 suitable for TC (83/17, 65/35), PE 100% yarns.

### APPLICATION:

AVCO-SIZE SPA 50 is recommended to use as follows:

#### 1. Size cooking:

- Add 70% water in cooking tank.
- Add slowly AVCO-SIZE SPA 50 into cooking tank at room temperature while stirring.
- Heat up to 90°C, keep for 40 mins.
- **Add water up to 95% required volume (when adding cold water into cooking tank there is a shrinkage of the volume and then after reheating the sizes will**

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**swell up to required volumn).**

- Re-heat up to 90°C.
- Check viscosity.
- Check size content.

### 2. Recommended dosage:

AVCO-SIZE SPA 50      9 - 13%.

### 3. Typical recipe:

<b>YARN</b>	<b>TC 20(87/13)</b>	
<b>TOTAL ENDS</b>	<b>7100</b>	
<b>WEAVING LOOM</b>	<b>RAPIER/ATR JET LOOM</b>	
<b>WEAVING SPEED</b>	<b>700-900 RPM</b>	
	<b>%</b>	
<b>SIZING DOSAGE</b>	AVCO-SIZE SPA 50	10
<b>COOKING CONCENTRATION</b>	9%	
<b>VISCOSITY (ford cup #4)</b>	13 - 15 sec	