

Technical Information

AVCO-SIZE DNL

FREE PVA SIZING AGENT FOR COTTON TOWEL

AVCO-SIZE DNL is a new product using the latest polymerization techniques. It imparts economical effect, easy biodegradation and the best weaving efficiency.

AVCO-SIZE DNL is easier for desizing than the normal starch.

SPECIFICATION:

Appearance	Powder.
Chemical nature	Compound of additive and modified starch..
Solubility	Good with hot water.
Ionicity	Anionic.
Stability with hard water	Good.
Storage	0-40°C. Stable at least 1 year if store properly. Should keep in a dry, cool place, avoid to contact with water and steam.

PROPERTIES & USES:

1. AVCO-SIZE DNL gives higher weaving efficiency than the conventional sizing.
2. AVCO-SIZE DNL uses as lubricant for yarn and non foaming.
3. Woven fabric sized with AVCO-SIZE DNL is desized easier than the conventional starch and use lesser desizing enzyme.
4. AVCO-SIZE DNL uses 70-80% less than the mixture of Starch and PVA.
5. AVCO-SIZE DNL is easy to handle and completely soluble in hot water
6. AVCO-SIZE DNL is suitable for all Cotton yarns.

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APPLY:

AVCO-SIZE DNL is recommended as follow:

1. Size cooking.
 - Add 70% water in cooking tank.
 - Add slowly AVCO-SIZE DNL into cooking tank at room temperature while stirring
 - Heat up to 90°C, keep for 40 mins.
 - **Add water up to 95% required volumn (when adding cold water into cooking tank here is a shrinkage of the volumn and then after reheating the sizes will swell up to required volumn).**
 - Re-heat up to 90°C.
 - Check viscosity.
 - Check size content.
2. Dosage:

AVCO-SIZE DNL 5-10%.
3. Typical recipes:

YARN	COTTON 20	
TOTAL ENDS	5000	
WEAVING LOOM	RAPIER/AIR JET LOOM	
WEAVING SPEED	500-700 RPM	
	%	
SIZING RECIPE	AVCO-SIZE DNL	8
COOKING CONCENTRATION	7-7.5%	
DRY PICK UP	8-9%	
VISCOSITY (ford cup #4)	18-22sec	