



PRODUCT DATA SHEET

BLUECRAFT AGRO PRIVATE LIMITED
An ISO 9001:2015 Certified Company

TEXOSIZE (Textile Sizing Product)

Description	<p>Texosize is a modified slurry based corn starch for sizing of textile warp yarn, designed to meet requirements of high speed sophisticated weaving. This product offers uniform viscosity , high adhesiveness and adequate penetration to fiber . Texosize provides excellent film formation and enhance weaving efficiency. This product prevents the warp yarn breakage due to abrasion of the neighboring yarns .</p> <p>Texosize ia an ideal slurry based modified starch for sizing application of cotton, cotton blended fiber polyester fiber , Denim application . this product is suitable for both coarser and finer count .</p> <p>Texosize can be used with Binder 3- 6 % and softener 2-4 % depending on end use .</p>
Advantages	<ul style="list-style-type: none"> • Higher strength • Lower elongation • Higher bending rigidity • Higher abrasion resistance • Lower hairiness • Lower frictional resistance
Cooking Process recommended for the Texosize	<ul style="list-style-type: none"> • Take standard volume (700 litres) of water (normal temperature) into the pre-mixture through water flow meter, start the stirrer. • Properly weigh all the chemicals required. • Add modified starch (Texosize) 100 kg ,Acrylic binder (3.5 to 4.5 %)depending end use and add slowly into the pre-mixture vessel. • Stir the mixture for 15 minutes. • Start the stirrer of the cooker, transfer the mixture to the closed cooker from pre-mixture vessel. Close all the open valves of the cooker. • Heat the cooker mixture with the injection of direct steam, steam will auto cut when the cooker temperature reaches the set limit (110° C). It may takes around 30 to 35 minutes. • Cook the mixture for another 40 minutes, the temperature of the cooker will reach to around 120 to 125° C depending on the size



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recipe.

- Start the stirrer of the storage vessel and then transfer the cooked size paste to the respective storage vessels. softener (2 to -3 %) to be added in storage tank post paste formation
- Maintain storage temperature at around 80-90° C.
- Paste is ready to transfer to the sow box of sizing machine.

SPECIFICATION: Texosize (Modified Starch)

S.No.	PARAMETER	UNIT	TEST RESULTS
1.	Appearance		White to off white granular, fine powder
2.	Moisture	%	12 .5 %max.
3.	pH (10% aq. Solun.)		5.0 – 7.5
4.	BTRA cup Viscosity* (5 % paste, 90°C,)	Sec.	6-9 seconds
5	5 % Brookfield Viscosity LVT/50 deg C/20 rpm	—	300-600 cps
6	Paste Characteristics		Highly uniform ,non corrosive and Stable for longer period

* Viscosity can be adjusted as per customer requirement.