



PRODUCT DATA SHEET

BLUECRAFT AGRO PRIVATE LIMITED

An ISO 9001:2015 Certified Company

TEXOPLAST-86 TEXTILE STARCHES

Description	Texoplast-86 textile starches is 100% starch based product designed to suit yarn sizing and to minimize usages of synthetic polymers in large proportion. Both categories of products has different grades depending on usage like quality of yarn , fabric ,machine charters tics . The product application of selected grade needs to be optimized to evaluate the cost and productivity
Advantages	With Texoplast sized yarn, it is recommended to eliminate synthetic polymers completely. This enables imminence advantages in pre-treatment & subsequent processes.
Salient Features	<ul style="list-style-type: none"> a)100% starch based b) Eco-friendly c) Elimination/Reduction of synthetic polymers like PVA and Polyester resins. d) Higher adhesion strength e) High film strength & elongation f, Ease of de sizing g) Higher TEGEWA h) Improved Dye Expression ratio i) Lower effluent treatment cost j) Lower invisible losses.
Pre-Treatment	Texoplast -86 being 100% starch based product gets removed completely during enzymatic desizing & desizing efficiency reaches up to 98o/o or more which is far superior to current standards followed. Hence TEGEWA in subsequent processes such as scouring, bleaching & mercerizing improves by at least 2 points to reach between. 8 - 9 or 9 – 10.
Dyeing	Once TEGEWA crosses beyond 8 points during mercerizing it eludes very high brightness & evenness to the fabric. It also improves dye expression ratio by 5 – 10% which can be used as a tool to reduce the cost of expensive dyes proportionately.
Effluent Treatment	Texoplast completely bio-degradable helps in faster & higher fresh water recoveries at lower cost. This is primarily due to the fact that Texoplast is free from synthetic polymers, besides it does not include any toxic & banned chemicals . This enables Cod & BOD to remain below specified norms during processing of sludge. Hence less effluent chemicals & energy & thereby cost reduction & improved recoveries.



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SPECIFICATION

S.No.	PARAMETER	UNIT	TEST RESULTS
1.	Appearance		White to off white granular, fine powder, free from any extraneous matter
2.	Moisture	%	10.0 %max.
3.	pH (10% aq. Solun.)		7.0 – 8.5
4.	BTRA Viscosity* (5 % paste, 90°C,)	Sec.	10-14
5	Paste Characteristics	–	Highly Dispersed ,non corrosive and Stable for longer period
6	Toxicity	-	No health hazard at normal handling.

* Viscosity can be adjusted as per customer requirement