



PRODUCT DATA SHEET

BLUECRAFT AGRO PRIVATE LIMITED

An ISO 9001:2015 Certified Company

FIBERLOC

Description	<p>Fiberloc- A Quaternary ammonium derivative of starch principally as wet-end additive in the paper processing. Fiberloc is much more than just dry strength additive. It is proven fact that the usage of modified starches to cellulosic substrate for-</p> <ul style="list-style-type: none"> • Significant retention of cationic starch in cellulosic material. • Enhancing fines & fillers Retention • Water clarification & reduction in water pollution • Improving the surface strength properties • Improving the rating/stiffness • Enhancing the smoothness & better formation. 						
Applications	<p>Fiberloc improves the effectiveness of retention, dewatering and sizing chemicals through synergistic action. Fiberloc is available in following grades having a different level of modification (extent of etherification) and ultimate benefit desired. Recommendations of the suitable grade is done on the basis of the evaluation of the system by application engineers.</p>						
Product Range	<table> <tr> <td>Fiberloc T-25</td> <td>Low DS (0.015-0.025 mol/mol)</td> </tr> <tr> <td>Fiberloc T-45</td> <td>Medium DS (0.026-0.03 mol/mol)</td> </tr> <tr> <td>Fiberloc T-85</td> <td>High DS (Above 0.03 mol/mol)</td> </tr> </table>	Fiberloc T-25	Low DS (0.015-0.025 mol/mol)	Fiberloc T-45	Medium DS (0.026-0.03 mol/mol)	Fiberloc T-85	High DS (Above 0.03 mol/mol)
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Packaging & Storage	<p>The product is available in 50 Kg HDPE woven bags with moisture proof inner liner. Fiberloc can be stored indoors in ambient conditions but should be kept from dampen surface.</p>						

SUPPLY SPECIFICATION (PHYSICAL & CHEMICAL DATA)

Base	Maize/Tapioca
Description	Etherified Starch
Appearance	Off White Powder
Odour	None
Solubility	Soluble on cooking in water
Moisture Content (%)	12.5 max
*pH (10% aqueous solution)	5.5-7.5
*Brookfield Viscosity (cps) (2% paste at 60 °C, 50 rpm)	40-200
Ionic Character	Cationic
Paste Characteristics	White & Highly dispersed, non corrosive & stable for longer period
Toxicity	No health hazard at normal handling and industrial use.

* Viscosity and pH can be adjusted as per the customer requirement