



## PRODUCT DATA SHEET

BLUECRAFT AGRO PRIVATE LIMITED

An ISO 9001:2015 Certified Company

# AMYLOFLOC

|              |   |
|--------------|---|
| Description  | <p>A Quaternary ammonium derivative of starch principally as emulsifier for neutral/alkaline internal sizing additives (AKD) and wet-end additive in the paper processing. Amylofloc improves the effectiveness of retention, dewatering and sizing chemicals through synergistic action. It is proven fact that the usage of modified starches to cellulosic substrate contributes for -</p> <ul style="list-style-type: none"> <li>• Retaining of sizing additives,</li> <li>• Significant retention of cationic starch in cellulosic material,</li> <li>• Improving fines &amp; fillers retention,</li> <li>• Water clarification &amp; reduction in water pollution,</li> <li>• Improving the fibre-fibre/fibre-filler bonding.</li> <li>• Improving the surface strength properties</li> <li>• Improving the rattling/stiffness</li> <li>• Enhancing the smoothness</li> <li>• Amylofloc is available in various grades having a different level of modification (extent of etherification), viscosity and ultimate benefit desired. Recommendation of the product is done on the basis of the evaluation of the system parameters.</li> </ul> |
| Applications | Complete range of products is available for wet-end use with sizing and as emulsion stabilizing agent in AKD formulation.   |

### SUPPLY SPECIFICATION (PHYSICAL & CHEMICAL DATA)

|   |   |
|---|---|
| Base  | Maize   |
| Description   | Etherified starch   |
| Appearance  | White, granular, fine powder  |
| Odour   | None  |
| Moisture content (%)  | 12 max  |
| *pH<br>(10 %aqueous solution)                               | 4.0 – 7.0   |
| *Brookfield Viscosity (cps)<br>(5 % paste at 75°C & 20 rpm) | 1000 – 2500   |
| Ionic character   | Cationic  |
| *Degree of substitution (mol/mol)                           | 0.025 - 0.07  |
| Paste Characteristics                                       | White & highly dispersed, non corrosive & stable for longer period. |
| Toxicity  | No health hazard at normal handling and industrial use.             |

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