



Product Literature

Kem Cell 100

DESCRIPTION:

KEM-CELL is a fungal acid cellulase enzyme preparation produced by controlled fermentation of *Trichoderma spp.* and is designed specially for bio-polishing of denim garments.

CHARACTERISTICS:

Appearance	Liquid
Colour	Amber
Odour	Slight fermentation odour
pH	4.5-5.5, optimum 4.8
Activity temperature	50-60°C,
Solubility	Soluble in water
Specific gravity	1.1

COMPATIBILITY:

Chemical Auxiliaries: Wetting agents, non-ionic surfactants, dispersants, buffering salts, pumice stones and cationic softeners are found to be compatible with KEM-CELL but compatibility testing is recommended prior to all formulations and applications. Contact with ferric ions should be avoided

PRODUCT ADVANTAGES:

- Removes fuzz effectively without loss of fabric strength.
- Provides greater body softness to various cellulosic garments.
- Shows excellent fading and anti-pilling effect.
- Eco-friendly and biodegradable.

PROCESSING CONDITIONS:

Parameters	Conditions
Temperature	50-55°C
pH	4.5-5.5
Dosage	1% (o.w.f), subjected to the effect required;
Duration	30-60mins, subjected to effect required
Bath ratio	1:5-1:20

INACTIVATION:

The enzyme can be inactivated by raising the temperature above 85°C for 10 mins, or by raising the pH above 8 for 10 mins.

TECHNICAL SERVICES:

Chembond Chemicals Ltd. Provides complete technical assistance for conducting on site trials and demonstration to the customers.

PACKAGING: 25kg drums

SHELF LIFE: 12 months, subjected to storage conditions. Recommended storage temperature is 25°C or below. Prolonged storage at temperatures above 30°C should be avoided.

SAFETY:

Enzyme preparation belongs to protein, which may induce sensitization and cause allergic type reaction in sensitized individuals. Prolonged contact may cause minor irritation for skin, eyes or mucous membrane of nose, so any direct contiguity with human body should be avoided. If irritation or allergic response for skin or eyes develops, consult a doctor



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Product Literature

Kem Amylase 250

BENEFITS:

For easy, one-step, efficient desizing of cotton fabric
Suitable for high temperature desizing.
Reduces processing time.
Increases dye penetration & bleach uptake efficiency.
Suitable for high-speed and continuous desizing.
Eco-friendly and bio-degradable.

SHELF LIFE:

For maximum shelf life it is better to store at low temperatures (environmental temperature below 25°C). The enzyme can be stored upto six months at 25°C or for one year at 5°C, the enzyme activity is not less than 90% of the labeled value.

GENERAL USAGE GUIDELINES:

Factors influencing liquefaction efficiency:-
Temperature and pH of the process
Processing time

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INACTIVATION:

The enzyme can be inactivated by raising the pH above 9 by sodium bicarbonate for 15mins.

TECHNICAL SERVICES:

Chembond Chemicals Ltd. provides complete technical assistance for conducting on-site trials and demonstration to the customers.

PACKAGING:

25kg non-toxic plastic barrel.



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