



Product Literature

Kem Cell 240

DESCRIPTION:

KEM-CELL 240 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, Favorable at 55°C
Solubility	Soluble in water
Specific gravity	1.1

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.

COMPATIBILITY:

Chemical Auxiliaries: Wetting agents, non-ionic surfactants, dispersants, buffering salts, pumice stones and cationic softeners are found to be compatible with KEM-CELL 240 but compatibility testing is recommended prior to all formulations and applications. Contact with ferric ions should be avoided

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 minutes, or by raising the pH above 8 for 10 minutes.

TECHNICAL SERVICES:

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

PACKAGING: 25kg drums

SHELF LIFE:

8 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

