

## LK-EMR 4222

**LK- EMR 4222 emulsion** contains a very high molecular weight, reactive Polydimethyl Siloxane polymer. It can be used to enhance the performance of traditional crease resist resin systems. The cationic character of the emulsion make this material most suitable for application by padding. LK-EMR 4222 emulsion is typically used in fabric finishing formulations with cationic softeners or as the major component. It can also be used in combination with amino silicones micro or macro emulsions. Formulations of LK-EMR 4222 emulsions are best applied on conventional padding equipment. Exhaustion is also possible due to slightly cationic character of LK-EMR 4222 emulsion. For padding the a pick-up of 0.5 to 2.0 % silicone based on dried weight fabric. It imparts good softness to treated fabrics, without causing any yellowing. The emulsion can be cross linked to form an elastic finish, imparting stretch recovery to knitted goods.

### FEATURES

- Improved crease resistance.
- Improve abrasion resistance.
- No yellowing
- Improved stretch recovery of knitted garments.
- Improved tear stretch recovery of knitted garments.
- Firm , dry to very soft handle.
- Gives elastomeric feel when used in combination with amino silicone emulsions.

### APPLICATIONS

- LK- EMR 4222 can be used to provide an elastomeric finish.
- It also enhances the performance of traditional crease resist resin systems.

### PRODUCT CHARECTERISTICS

Product Name	Appearance	Viscosity @ 25 Deg.c. (in cps)	pH of neat emulsion	% Solid Content (110°C 1 hr)
LK –EMR 4222	Milky white emulsion	40-80	6.0-8.0	26 – 30

### SUGGESTED APPLICATION METHOD AND FORMULATION

1. In scour goods in an non ionic detergents and rinse thoroughly .Fallow with an acid rinse using 2g/l of 80 % acetic acid for 5 minutes. This will neutralize any alkali residue from previous process that may cause pad bath instability and lead to oil spots on fabrics or gel on the roller.
2. If crease resist resins or fillers are used, dilute in a separate tank in accordance with manufacturers instructions. If hot, cool to below 30 deg.C. Add to the mixing tank.
3. Predilute the required amount of LK-EMR 4222 emulsion with approximately equal weight of cold water and add to thee mixing tank.
4. If crease resist resin catalyst is used , predilute with an equal weight of water and add to the mixing tank.

### **PACKING**

50 kg H.D.P.E. carboys and 200-kg drums.

### **SHELF LIFE**

Six months from the date of production in the original container & stored below 50 deg.C.

### **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### **STORAGE & HANDLING**

It is recommended that normal safety precautions (hand gloves & safety goggles) be taken while handling the product. The material should be stored in original ELKAY containers in a cool place and protected from direct exposure to sunlight.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. The Information is believed to be accurate. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.**

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