

MC (AM)

Antimicrobial PV LATEX for catheters from KAPVL

Catheters using Antimicrobial PV latex is being proposed as a method to prevent CAUT (Catheter-associated urinary tract infection)

MMC (AM) is compounded Latex in which the molecules of the rubber Particles are chemically cross linked i.e., Vulcanized or in other words, the latex is pre-vulcanized. But the latex still retains its **original fluidity and colloidal Property**.

This is a new type of pre-vulcanised latex with built-in antimicrobial technology for catheters. Pre-vulcanised latex contain a new active micro-organism killing molecule designed to prevent the spread of bacteria on contact area of catheters. So, these Anti microbial catheters are most effective against CABF (catheter associated bacteriuria/funguria)

Cold process is the method followed for making MMC resulting molecules are formed **in long range order, it leads to Mechanical and Ageing properties** of end product.

MMC has a three month shelf life.

MMC (AM) is ready to use latex. Only have to dilute the latex for required TSC using ammoniated or Demineralised water with alkaline pH (10+) and start dipping, Following are main benefits.

- Better yields
- **Minimal batch to batch variation**
- Lower maintenance costs
- **No compounding area/Machinery**
- Shorter process time
- **Reduction in stock holding costs**
- Lower environmental treatment costs
- Reduced line operation down time

As antimicrobial molecules are bonded with pre-vulcanised latex they provide durable, long term, persistent microbial protection.