

HMSG

PV LATEX for High modulus surgical Gloves

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

Cold process is the method followed for making HMSG resulting molecules are formed **in long range order, it leads to better Tensile and Elongation properties** of end product.

HMSG has a six month shelf life. Post cured system (Self compounding) generally has a 2 day to one week shelf life and beyond which over cure will lead to poor physical properties of the dried film and cracking of the finished products.

HMSG 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

Post cured system (Self compounding) generally has to be dipper stained once in a week or every fortnight. But **HMSG has no need of dipper stain up to 3 month.**