



Technical Data Sheet

Apcotex[®] VP100

CHEMICAL DESCRIPTION

Apcotex VP 100, generically known as Vinyl Pyridine Latex is a ter-polymer of styrene, butadiene and 2-VP monomer with 15:75:10 ratio respectively. It is manufactured by emulsion polymerization method with state-of-the-art manufacturing facilities to produce consistent product.

Apcotex VP 100 is used for dipping of Nylon, Rayon, Polyester fabrics & other Textile reinforcement materials. This dipped fabric is used to manufacture tyre, conveyor belts etc. It provides excellent adhesion between dipped Fabrics and Rubber Compound.

APPLICATIONS

- Tyre** : Dipped Fabrics used for Carcass, Chafer etc.
- Beltings** : Dipped Fabrics used for conveyor belt, V-belt, Fan belt, etc.
- Mechanical Goods** : Dipped Fabrics used for hoses and other textile reinforced rubber based products

ADVANTAGES

- Excellent Mechanical stability and chemical stability for trouble free dipping process
- Low foaming characteristics for high speed dipping process
- Provides excellent adhesion between fabric and rubber compound

PRODUCT SPECIFICATIONS

Appearance	Purple pourable liquid
Emulsifying System	Synthetic anionic
Total Solids (%)	41.0 ± 1.0
pH at 25°C	11.0 ± 1.0
Brookfield Viscosity LVF (CPS) SP.1, 60 RPM at 25°C	40.0 ± 20.0
Surface Tension (Dynes/cm) at 25°C	52 ± 3.0
Coagulum (%)	0.05 Max
Mechanical stability (g/100cc)	0.06 Max.
ML ₁₊₄ @ 100°C (ASTM D1417)	30 - 45

SAFETY AND HANDLING


- General safety precautions such as goggles, gloves and face shields should be used while handling. (Refer MSDS for detailed information).


STORAGE RECOMMENDATION

- Store between temperatures of + 5°C and 40°C.
- Keep containers closed when not in use.
- Shelf-life: Six months from date of manufacturing provided stored under shade, away from direct heat and sunlight and well protected from freezing.

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