

PVMS PVultex

PVMS PVultex is a full ammonia prevulcanised natural rubber latex having a medium modulus with excellent resistance to sterilization

Types of Applications

PVMS PVultex is used in a variety of dipping processes whereby medium modulus is required. PVMS has been specially developed for surgical gloves which have to resist up to 4 cycles of sterilisation*. It is also suitable for industrial gloves and other dipped products where medium modulus and good ageing resistance are required.

(*Sterilisation Cycle Test involves :-)

- a) Films immersed in detergent solution for 15 minutes, rinsed in water at 50⁰C, immersed in detergent for 10 minutes and rinsed in cold water and
- b) treated in steam steriliser for 45 minutes at 120⁰C.

TYPICAL PROPERTIES			
<u>COLLOIDAL PROPERTIES</u>		<u>PHYSICAL PROPERTIES</u>	
Total Solid Content (%)	60.3	<u>Unaged</u>	
Mechanical Stability (sec)	800 min	Modulus at 700% elongation (MPa)	13.2
Ammonia Content (%)	0.68	Tensile Strength (MPa)	25.0
Ford Cup 3 Viscosity @ 25 ⁰ C(sec)	30.5	<u>Aged (22hrs @ 100⁰C)</u>	
pH	10.6	% Retention of :	
		Modulus at 700% elongation	80 min
		Tensile Strength	80 min
		<u>After detergent and steam sterilisation (4 cycles)</u>	
		% Retention of :	
		Modulus at 700% elongation	65 min
		Tensile Strength	85 min

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Recommended Storage Conditions

It is important to store the product under shelter at temperature between 10⁰C and 38⁰C. Creaming of latex may still occurs during storage. Therefore it is necessary to mix well the latex before use. As the product is based on natural rubber latex, changes in colloidal properties may occur upon storage. It is recommended to test the colloidal properties of the latex if it is kept in storage over a long period of time.

Handling Precaution

Before handling any type of latices, read product information, Chemical Safety Data Sheets and container labels for safe use, physical and health hazard information.

Type of Packing

Available in both drum and bulk packing.