

Latex with lower VP level for fiber-to-rubber adhesion for tires and rubber products

For further information regarding this product please refer to:

Consumer Materials Synthomer

eMail: consumer.materials@synthomer.com

Property	Typical Value	Unit	Method ¹
Total Solids	41	%	ISO 3251
pH	10.6		ISO 976
Viscosity (Brookfield LVT,#1@ 60 rpm, 25°C)	40	mPas	ISO 1652
Glass transition temperature	-50	°C	
Surface Tension	50.5	dyne/cm	
Mooney Viscosity (ML 1+4, 100°C)	37.5	mPas	

¹ internal method based upon the specified norm

Application Advice

Pliocord VP 107S styrene butadiene vinylpyridine terpolymer emulsion is used in Resorcinol Formaldehyde Latex (RFL) dipping of synthetic reinforcement fabric for tires and mechanical rubber goods. Pliocord VP 107S delivers excellent adhesion with a wide variety of rubber compounds.

- Outstanding adhesion between rayon, polyamide, polyester, glass fiber, aramid and rubber when blended with resorcinol-formaldehyde resin
- Low foaming, reduces cleaning operations and decreases dip rejects
- Excellent processing properties
- Small particle size with narrow size distribution

Application Notes:

- Textile-to-rubber adhesion
- Dipped fabrics
- Tire fabrics: carcass, belt, chafer and other textile components
- Mechanical Rubber Goods fabrics: conveyor belts, V belts, hoses and other products
- May contain traces of residual monomers, which may be released during processing at high temperatures.

Shipping and Storage

This product is freeze-thaw stable; however, protection against freezing is strongly recommended. Bulk storage tanks should be insulated, if outdoors, and closed to the atmosphere. Packaged product (drum or IBC) should be stored in the original containers, protecting from frost and direct sunlight, preferably indoors. Optimum ambient temperature for storage is between +5°C and + 40°C. If stored according to these conditions and in the original unopened containers, the dispersion will be stable for 12 months following production date. If a package is over six months old, it is recommended to test a sample for pH and Brookfield viscosity before use. In case of off spec values contact your technical service representative for guidance on how to proceed. It is advisable that the product be stirred gently prior to use. The formation of some coagulum on the surface of the liquid over time is normal. It is recommended that the latex pass through a filter before it enters the dip mixing tank. Information on environmental and hazard data may be taken from the material safety data sheet.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.