TECHNICAL DATA SHEET

PLIOCORD™ VP 106

Industry standard latex 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)	38	mPas	ISO 1652
Glass transition temperature	-50	°C	
Surface Tension	50.5	dyne/cm	
Mooney Viscosity (ML 1+4, 100°C)	37.5	MU	

[1] internal method based upon the specified norm

Application Advice

Pliocord VP 106 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 106 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
- 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 packages are stored according to these conditions and remain unopened, the latex can remain stable indefinitely. If a package is over six months old, it is recommended to test a sample for pH and Brookfield viscosity before use. It is advisable that the latex be stirred or mixed before use. The formation of some coagulum on the surface of the liquid 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.