

LIPREN T is an aqueous, colloidal dispersion of a polymer of 2-chlorobutadiene (1,3). Its vulcanizates have a slight to medium crystallization tendency and undergo little discoloration when exposed to light. LIPREN T is mainly used in the production of dipped goods.

For further information regarding this product please refer to:

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Property	Typical Value	Unit	Method ¹
Solids Content	58,0	%	ISO 124
pH Value	13.0		ISO 976
Viscosity	100	mPa s	ISO 1652
Surface Tension	37	mNm	ISO 1409

¹ internal method based upon the specified norm

Application Advice

LIPREN T has the advantage that it can be processed both by the conventional coagulant process as well as by the heat sensitizing process. The viscosity of LIPREN T can be increased by adding conventional thickening agents, e.g. methyl-, carboxymethylcellulose or acrylate thickeners. LIPREN T is often used in blends with nitrile rubber latices (e.g. Synthomer XVT-LA) to combine natural-rubber-like physical properties with outstanding resistance to chemical substances. Owing to its high pH value LIPREN T is protected against bacterial attack during storage. In the manufacture of finished products, the material has to be re-treated, as usual, with suitable agents to give enhanced preservation

The main applications of LIPREN T are the production of dipped goods of all types, internal and external proofing of fire hoses and impregnation, coating and lamination of fabrics. Films made of LIPREN T by dipping are of high elasticity and strength and have a soft, pleasant feel. Meteorological and toy balloons made of LIPREN T are remarkable for their high impermeability to gases. Optimal crosslinking is most important in order to achieve outstanding physical properties with LIPREN T. Therefore it is necessary to use zinc oxide as well as diphenyl-thiourea and colloidal-sulphur as crosslinking agents. Our technical service team would be pleased to provide you with a typical formulation as a guide and assist if needed.

Shipping and Storage

Store at an even temperature of between + 5°C and + 35°C, avoiding frost and direct sunlight. Care must be taken that drums and storage containers are closed tightly. During processing, storage and transport of the product, contact with metals, unprotected against corrosion (likewise non ferrous metals), has to be avoided. If stored according to these conditions, in appropriate containers or in bulk condition with proper hygiene management, Synthomer is able to confirm that the latex is stable for 6 months following delivery.

Product Safety

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