LIPREN™ X1112

LIPREN X1112 is an aqueous, colloidal dispersion of polymerised 2-chlorobutadiene (1,3). Vulcanised LIPREN X1112 has very little tendency to crystallize. LIPREN X1112 is mainly used in the production of dipped goods, but also for the production of flame retardant foams. It is either foamed or used to impregnate PU foams.

For further information regarding this product please refer to:

Synthomer Sdn Bhd

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Property	Typical Value	Unit	Method[1]
Solid Content	58	%	ISO 124
pH Value	13.0		ISO 976
Viscosity	80	mPa.s	ISO 1652

[1] internal method based upon the specified norm

Application Advice

The dispersion can be destabilised if the pH is too low. Thi can occur as a result of the slow, but permanent release of hydrochloric acid. If the pH fals below the specification liit, it should be re-adjusted to its initial value before processing the dispersion by adding aqueous KOH of 5 % concentration. Avoid any contact of the product with metals which are not corossion resistant.

Goods processed with LIPREN X1112 show a better flame retardant behaviour than similar goods made with natural rubber or other synthetic rubbers. Their flame-retardant behaviour can be further improved by adding suitable inorganic flame-retardants (e.g. zinc borate or aluminium hydroxide). Products made with LIPREN X1112 are characterized by a high resistance to ageing. weathering, ozone and heat. They show good resistance to a number organic chemicals, including various acids. LIPREN X1112 requires zinc oxide not nly as a crosslinking agent but also to improve the resistance of the products to weathering, wgeing and heat. ZnO also acts as an accptor of hydrogen chloride, which is slowly released in the course of time, depending on the temperature. In some apllications it is necessary to add an extra ortion of antioxidant to ensure sufficient ageing protection (e.g. a non-staining antioxidant agent).

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.