LIPOLAN™ F 2040F

LIPOLAN F 2040F is an aqueous dispersion of a re-inforced styrene-butadiene copolymer with a high solids content. The emulsifier used is an alkaline salt of fatty acids, which provides a good stability and foamability. LIPOLAN F 2040F does not contain any antioxidant. LIPOLAN F 2040F is mainly used to produce moulded foam. Foam made of LIPOLAN F 2040F exhibits a very soft indentation hardness with a very high resilience.

For further information regarding this product please refer to:

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Property	Typical Value	Unit	Method[1]
Solids Content	67,0	%	ISO 124
pH Value	11,0		ISO 976
Surface Tension	37,0	mN/m	ISO 1409
Viscosity (Brookfield LV 3/30)	< 2200	mPa s	ISO 1652

[1] internal method based upon the specified norm

Application Advice

LIPOLAN F 2040F remains mechanically stable when complying with the storage conditions given below.

Vulcanised latex foam made using LIPOLAN F 2040F exhibits a high resilience. It has a very soft character and excellent mechanical properties, similar to foam made of natural rubber latex. Both tensile strength and elongation at break of the vulcanised latex allow a great flexibility of mould design. LIPOLAN F 2040F has to be vulcanised in a similar manner to natural rubber latex. In order to achieve an optimal quality level, rubber chemicals must be adapted to the compound formulation and manufacturing conditions. LIPOLAN F 2040F suits to Dunlop, Talalay and non-gel process.

Shipping and Storage

LIPOLAN F 2040F is delivered in road tankers. Shipment in 1 ton containers (IBC) is also possible.
LIPOLAN F 2040F must permanently be protected against frost. The ideal storage temperature range is between + 5°C and + 30 °C. Exposure to temperatures above + 30 °C or to direct sunlight for extended periods of time has to be avoided. Temperatures never must exceed + 40 °C.
Complying with these storage conditions the dispersion has a shelf life of 6 months after delivery, when kept permanently and tightly closed. The pH value of the dispersion may decrease due to absorption of carbon dioxide from air. Dispersions having a pH lower than 10 should be readjusted to the initial value using an aqueous KOH solution of 5 % concentration. Material in broached containers should be used as soon as possible. In some cases, a slight drying of the surface or some cream formation cannot be excluded. Therefore the dispersion or the compound made of it should be stirred or mixed before use.

Product Safety

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