## TECHNICAL DATA SHEET LIPOLAN™ F 2530F



Moulded foam products based on LIPOLAN F 2530F exhibit under usual ambient conditions a low indentation hardness with a low resilience, achieving a unique visco-elastic effect. LIPOLAN F 2530F is an aqueous dispersion of a styrene-butadiene copolymer with a high solids content. It is stabilsed using an alkaline salt of fatty acids, which also provides a good foamability. LIPOLAN F 2530F does not contain any antioxidant.

For further information regarding this product please refer to:

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| Property        | Typical Value | Unit  | Method <sup>1</sup> |
|-----------------|---------------|-------|---------------------|
| Solids Content  | 66,0          | %     | ISO 124             |
| Viscosity       | < 2.200       | mPa s | ISO 1409            |
| Surface Tension | 39,0          | mN/m  | ISO 1655            |
| pH Value        | 10,4          |       | ISO 976             |

<sup>1</sup> internal method based upon the specified norm

## **Application Advice**

LIPOLAN F 2530F remains mechanically stable when complying with the storage conditions given below.

Vulcanised latex foam made using LIPOLAN F 2530F exhibits a very low resilience, having a so-called "visco-elastic" effect. Both tensile strength and elongation at break of the vulcanised latex allow a great flexibility of mould design. LIPOLAN F 2530F 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 2530F suits to Dunlop, Talalay and the non-gel process.

## **Shipping and Storage**

LIPOLAN F 2530F is delivered in road tankers. Shipment in 1 ton containers (IBC) is also possible.

LIPOLAN F 2530F must permanently be protected against frost. The ideal storage temperature range is between +  $5^{\circ}$ C and +  $30^{\circ}$ C. Exposure to temperatures above +  $30^{\circ}$ C or to direct sunlight for extended periods of time has to be avoided. Temperatures never must exceed +  $40^{\circ}$ 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.

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