

LIPOLAN® T 28H70 is an aqueous dispersion of a reinforced styrene-butadiene copolymer with a high solids content. The emulsifier used is an alkaline salt of fatty acids, which gives the product good stability and foamability. LIPOLAN® T 28H70 was developed for sodium silicofluoride gelled foam rubber backings for tufted carpets. LIPOLAN® T 28H70 can also be used in non-gel foam compounds. Foam rubber backings containing LIPOLAN® T 28H70 are softer than those based on LIPOLAN® T 28H60 and harder than those based on LIPOLAN® T 24H70. The handle of the finished article is influenced mainly by the choice of the precoat.

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	10,5		DIN ISO 976
Surface Tension	39,0	mN/m	DIN ISO 1409
Viscosity (Brookfield LV 3/30)	< 2200	mPas	ISO 1652

¹ internal method based upon the specified norm

Application Advice

LIPOLAN® T 28H70 does not contain antioxidant. It is therefore necessary to add antioxidant to the dispersion before processing. This can be achieved either by the direct addition of an emulsion, or by the addition of a vulcanizing dispersion containing antioxidant. A considerably higher compression hardness is achieved because of the reinforcing component present in the latex, when compared with unreinforced dispersion or natural latex. LIPOLAN® T 28H70 has to be vulcanized in a similar manner to natural latex. Suitable rubber chemicals must be used in the vulcanization paste to ensure that under normal manufacturing conditions an optimum quality level is maintained. LIPOLAN® T 28H70 can be used for foam rubber backings with or without filler. The filler content of the foam compound should be kept as low as economically possible, to ensure that the finished article is capable of being recycled after its useful life. The mechanical and physical properties depend on the filler level and the foam density. The abrasion resistance, resilience and adhesion of the foam backing to the carpet are dramatically improved, when very low filled, or unfilled compounds are used. There is also striking improvement to the dimensional stability of the foam as a result of the reduced water absorption.

LIPOLAN® T 28H70 has good storage characteristics and is under normal conditions mechanically stable.

Shipping and Storage

LIPOLAN® T 28H70 is normally delivered in road tankers. Shipment in drums and 1 ton containers is also possible for customers who are just taking small quantities. The storage temperature of the dispersion should not fall below + 5 °C and not exceed + 40 °C. In air-tight, unopened, original drums or containers, and provided the storage conditions are met, the dispersion is stable for 6 months after delivery. However a slight drying of the surface, or some cream formation cannot be ruled out. It is therefore advisable that the dispersion, or compounds made from it, should be stirred, or mixed before use. The contents of drums or containers should be used up as soon as possible after opening. The pH value of the dispersion may decrease due to absorption of carbon dioxide from air. If the pH drops below 10 it must be readjusted to the initial value with an aqueous 5 % potassium hydroxide solution.

Product Safety

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