

Product Information

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BUNATEX® T 3610

BUNATEX® T 3610 is an aqueous dispersion of a reinforced styrene-butadiene copolymer with a high solids content.

The emulsifier used is the potassium salt of a fatty acid, which gives the product good stability and foamability.

BUNATEX® T 3610 was developed for foam rubber backings for tufted carpets.

BUNATEX® T 3610 is suitable for non-gel and ammonium acetate recipes.

Foam rubber backings containing BUNATEX® T 3610 are harder than those based on BUNATEX® T 3410.

The handle of the finished article is influenced mainly by the choice of the precoat.

Characteristic data

Property	Value	Unit	Method
Solids content	66,0	%	Based on ISO 124
pH	10,5		DIN ISO 976
Surface tension	39,5	mN/m	Based on DIN ISO 1409
Viscosity Brookfield LV, no. 2 spindle 3, 30 UpM	≤ 2200	mPa s	ISO 1652

Properties, application and processing

BUNATEX® T 3610 has good storage characteristics, and is under normal conditions mechanically stable.

BUNATEX® T 3610 does not contain antioxidant. Dried coagulate or films tend, in the presence of oxygen (i.e. in air), to autoxidation. 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.

Through the use of a reinforcing component a considerably higher compression hardness is achieved, than would be when an unreinforced dispersion or natural latex is utilised.

BUNATEX® T 3610 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.

BUNATEX® T 3610 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.

Delivery and storage

BUNATEX® T 3610 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.

Effluent and environmental protection

When BUNATEX® T 3610 is present in effluent water it can be removed by a suitable flocculation method.

The dumping or burning of solid containing residues from this dispersion normally requires special measures.

Local disposal regulations should be observed.

The emulsifier contained in the dispersion is biodegradable.

The dispersion meets the GuT* requirements regarding volatile organic compounds.

* GuT = Gemeinschaft umweltfreundlicher Teppichboden

General safety information

BUNATEX® T 3610 is, according to the German „Gefahrstoffverordnung“ and the EU Directive 67/548/EWG, not subject to the labelling provisions for hazardous substances. It is not subject to any current transport regulations for hazardous materials.

If you have further questions please contact our Technical Service Department.

Tel.: ++49(0)2365 / 49-2819

Fax: ++49(0)2365 / 49-2529