

## Rhenofit® DDA-70

Specialty and standard chemicals

### Function

Antioxidant for natural and synthetic rubber, especially for CR

### Product description

Composition:	70 % diphenylamine derivative 30 % silica filler
Appearance:	white to reddish-brown, non-dusting powder
Density:	approx. 1.28 g/cm <sup>3</sup>
Discolouration of vulcanizates:	slight discoloration
Physiological properties:	see safety data sheet.

### Use

**Mode of action:** Rhenofit DDA-70 prevents damage by oxygen and heat in NR, IR, BR, SBR and especially CR. Being a heat protective agent, it is recommended at higher temperatures. Rhenofit DDA-70 is effective against dynamic crack formation caused by oxygen (e.g. in NR and IR). It has little or no protective effect if crack formation is mainly caused by ozone (e.g. in SBR). Rhenofit DDA-70 does not influence the scorch and total curing times.

According to recommendation XXI of the BfR (German Federal Institute for Risk Assessment) Rhenofit DDA-70 can be used in rubber articles which come in contact with foodstuffs, provided the amount does not exceed 1.4 % calculated on the finished goods. It is not recommended to use Rhenofit DDA-70 for vulcanizates which come into contact with foodstuffs containing oils or large amounts of fats.

**Processing:** Rhenofit DDA-70 is the solidified form of the liquid Rhenofit DDA. The solid form facilitates the weighting and metering of the product. Rhenofit DDA-70 is easy to incorporate and disperses homogeneously in all rubber qualities.

**Dosage:** As antioxidant and for protection against rubber poisons: 1-2 phr  
As anti-flexcracking agent: 1.5-3.5 phr  
For goods which come into contact with foodstuff: 1.4 % calculated on the finished goods.

**Application:** Bicycle tires, inner tubes, sponge rubber, footwear (particularly expanded rubber soles). Suitable for heat resistant goods; protection against heat and oxygen in CR.

## **Packaging**

25 kg carton with PE bag inside on 600 kg skid

## **Storage stability**

In original closed conditions under cool and dry conditions 365 days from date of production. During the storage gradual discoloration into brown possible. This does not affect the activity of the product.

## **Handling**

For additional handling information on Rhenofit DDA-70 please consult current safety data sheet.

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Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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