

Rhenofit® DDA

Specialty and standard chemicals

Function

Antioxidant natural and synthetic rubbers, especially CR

Product description

Composition:	Diphenylamine derivative
Appearance:	yellow to reddish-brown viscous liquid
Density, 20 °C:	approx. 1.1 g/cm ³
Discolouration of vulcanizates:	slight discoloration
Physiological properties:	see safety data sheet

Use

Mode of action: Rhenofit DDA prevents damage by oxygen and heat in NR, IR, BR, SBR, and especially CR. Being a heat protective agent, it is recommended for applications at higher temperatures. Rhenofit DDA 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 BR and SBR). Rhenofit DDA does not influence the scorch and total curing times.

According BfR recommendation (German Federal Institute for Risk Assessment) Rhenofit DDA meets the requirements for goods which come into contact with foodstuff provided that the amount does not exceed 1.4 % calculated on the finished goods. It is not recommended to use Rhenofit DDA for vulcanizates which come into contact with foodstuffs containing oils or large amounts of fats.

Processing: Rhenofit DDA is liquid. The liquid form facilitates the weighing and metering of the product. Rhenofit DDA should be added together with the fillers at the beginning of the mixing cycle.

Dosage: As antioxidant and for protection against rubber poisons: 1-2 phr
As anti-flexcracking agent: 1.5-3.5 phr

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

Packing

200 kg drums on 800 kg skid

Storage stability

In original closed conditions under cool and dry conditions 365 days from date of production. During the storage could be gradual discoloration into brown. This does not have bearing on the activity of the product.

Handling

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

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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