

Rhenofit® TAC/S

Specialty and standard chemicals

Function

Crosslinking activator for peroxide vulcanization

Product description

Composition:	70 % triallyl cyanurate bound to 30 % silica
Appearance:	white, fine crumbling powder
Density, 20 °C:	approx. 1.25 g/cm ³
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:	The polymer radicals formed during peroxide vulcanization react with the allyl groups of the coagent Rhenofit TAC/S, thus providing additional reactive sites for crosslinking. Therefore, the degree of crosslinking may be considerably increased more than obtained by greater additions of peroxide. Generally coagents increase the crosslinking rate. The vulcanizates show higher hardness, higher moduli and tensile strengths as well as improved abrasion resistance. Rhenofit TAC/S has no real influence on the storage life nor on the processing behavior of the compounds. Rhenofit TAC/S is particularly suitable for use in black EPDM compounds with a high or medium dosage of fillers and in black or light-colored CM compounds with a medium amount of fillers.
Processing:	Rhenofit TAC/S should be added at the end of the first mixing stage, in compounds tending to scorch in the second mixing stage together with other additives.
Dosage:	0.4-4.0 phr depending on the type and dosage of peroxide used
Application:	technical moulded and extruded articles based on EPDM, EPM, CM and others, e.g. profiles, seals, cable coverings and bushings.

Packing

25 kg cartons with PE bag inside on 600 kg skid

Storage stability

In closed original containers under cool and dry conditions 730 days from date of production. Recommended storage temperature: below 25 °C. Above 25 °C a formation of lumps may occur, which, however, has no effect

on the effective- ness of the product. For a better handling of the product it is advisable to warm up the product to 25-30 °C before use.

Handling

For additional handling information on Rhenofit TAC/S please consult material safety data sheet.

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