

## Rhenoslab® TAC-50

Predispersed rubber chemicals and additives

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### Function

Co-agent to be used in conjunction with a peroxide crosslinker.

### Product description

Composition:	50% Triallyl cyanurate 50% Polymeric binder
Appearance:	Red slabs
Specific Gravity, (Calculated):	Approx. 1.13
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 Rhenoslab TAC-50, thus providing additional reactive sites for crosslinking. Therefore, the degree of crosslinking may be considerably increased from the normally 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. Rhenoslab TAC-50 has no real influence on the storage life nor on the processing behavior of the compounds. Rhenoslab TAC-50 is particularly suitable for use in black EPDM compounds with a high or medium dosage of fillers and in black or light-colored CPE compounds with a medium amount of fillers.
Processing:	The fully compatible polymeric binder allows Rhenoslab TAC-50 to be incorporated into the mix much more quickly and uniformly than the triallyl cyanurate itself. The faster mix cycles are readily apparent in mill mixing but are also advantageous in internal mixers.
Dosage:	0.4 - 4.0 phr depending on the type and dosage of peroxide used.
Application:	Technical molded and extruded articles based on EPDM, EPM, CM and others, e.g. profiles, seals, cable coverings and bushings.

## **Packing**

55 lb. Cartons

## **Storage stability**

Six months when stored in the original containers under cool and dry conditions.

## **Handling**

Consult the Safety Data Sheet (SDS) for further information on handling Rhenoslab TAC-50

® = registered trade mark

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