



## KETTLITZ-TAC/GR 50 and TAC/GR 70

- technical leaflet -

TAC/GR 50 is a 50 % and TAC/GR 70 a 70 % triallylcyanurate (TAC) in granular form. TAC/GR granules are more stable and better applicable in automatic weighing machines than TAC/GR 70, whereas the latter contains a higher amount of active substance.

The difference between other coagents and TAC/GR is the higher reaction temperature which particularly gives better storage stability and improved scorch behavior (see also table 7) at processing temperatures. The compatibility of TAC/GR 50 and TAC/GR 70 with polymers is excellent, especially in EPDM, HNBR, CM and EVA.

The use of TAC/GR improves not only the general physical properties but also the temperature resistance of the cured rubber compound after heat aging. There will be no negative influence of the carrier of TAC/GR grades on the electrical properties of insulation compounds.

### Physical Properties

Chemical Characteristics		50 % resp. 70 % triallylcyanurate coated by special plasticizers and dispersing agents bound to carriers
Appearance		white, soft granules (diameter 6–8 mm), free-flowing
Density at 20 °C	(g/cm <sup>3</sup> )	for TAC/GR 50 approx. 1.17 for TAC/GR 70 approx. 1.21
Ash Content	(%)	25.5 ± 1.5 for TAC/GR 50 23.0 ± 2.0 for TAC/GR 70
Physiol. Behavior		see safety data sheet
Storage Stability		3 years under suitable storage conditions (cool and dry)
Packing		hermetically sealed PE bags of low melting foil (60–85 °C) of 1 kg each in cardboxes of 15 kg each  pre-weighed sachets of between 0.5–2.5 kg net on request available