



KETTLITZ-TAC-70 XP

- technical leaflet -

TAC-70 XP is a 70 % preparation of triallyl cyanurate (TAC) on extremely fine silica as carrier in powder form.

TAC can be recommended especially as co-activator for peroxide curing, when excellent physical properties are to be reached, especially very low compression-set.

Due to the very low melting point of approximately 27 °C, the pure TAC can have a solid/crystalline or even liquid form, depending on the room temperature. Therefore the handling will be considerably improved when using the 70 % Kettlitz preparation. Besides, regarding the dispersibility, the powdery preparation shows much better results compared to the liquid product.

At low temperatures (below 10 °C) the product tends to crystallize, and, depending on the storage conditions (temperature and time), the state of aggregation of TAC, especially TAC-70 XP, may change, which leads to caking of the powder. The product will easily revert to a free-flowing powder by mechanical influence. During processing resp. mixing, when the very low melting point is reached, the agglomerates decompose immediately anyway. Consequently dispersion problems are not to be expected and caking, which might occur, does not influence the product quality negatively.

To maintain the physical form of the product, we recommend storing TAC-70 XP at temperatures between 10 and 20 °C in a well-ventilated area protected against sunlight.

As dosage of peroxide and co-activator we recommend approximately 2:1 (peroxide to TAC-70 XP) on a basis of 100 % active substance.

Properties

Chemical Characteristics		triallyl cyanurate (70 %) on carrier
Appearance		white powder, free-flowing
Density at 20 °C	(g/cm ³)	approx. 1.21 (mathematically)
Ash Content	(%)	27.0 ± 2.5
Physiol. Behavior		see safety data sheet
Storage Stability		3 years under suitable storage conditions
Packing		cardboard boxes of 10 kg each with PE innerliner