KETTLITZ-Actigran SO 70

- technical leaflet -

Actigran SO 70 is a scorch retarded trimethylolpropane trimethacrylate (TRIM) with an activity of 70 % on an inert carrier in granular form for the use in peroxide cured rubber compounds. Actigran SO 70 acts as coactivator for peroxide and promotes the cross-linking reaction which leads to a remarkable higher cross-linking rate. In comparison to liquid, also scorch retarded trimethacrylates / coactivators, Actigran SO 70 provides much easier handling, dosing and incorporation, because of its granular form.

Actigran SO 70 provides much longer scorch time resp. scorch safety compared to simple trimethacrylates. However, the curing time (t90) is more or less the same and will not be extended.

Actigran SO 70 is highly compatible with almost all common polymers.

Actigran SO 70 is recommended for the use in all peroxide cured compounds, especially for the production of cables, hoses, rollers, molded goods as well as for gaskets.

As dosage we recommend a ratio of 2 : 1 (peroxide : Actigran SO 70) calculated on 100 % activity.

Physical Properties

Chemical Characteristics		scorch retarded trimethylolpropane trimethacrylate (TRIM) on inert carriers
Appearance		white granules (diameter 6–8 mm)
Active Content	(%)	70 $\pm$ 3
Density at 20 °C	(g/cm³)	approx. 1.24 (mathematically)
Ash Content	(%)	24.5 $\pm$ 2.0
Physiol. Behavior		see safety data sheet
Storage Stability		2 year under suitable storage conditions
Packing		hermetically sealed PE bags of low melting foil (60–85 °C) of 1 kg each in cardboard boxes of 15 kg each; pre-weighed sachets between 0.5–2.5 kg net on request available