



Technical Data Sheet

Pentocure – F

Accelerators

Composition	: Mixture of MBTS and basic accelerators		
Specification	: Color	:	Light Creamish to Creamish
	: Appearance	:	Powder
	: Melting Point	:	140 °C Min
	: Ash content	:	0.5 % Max
	: Moisture Content	:	0.5 % Max

Dosage :
• 1 – 2 phr

- Uses and Benefits** :
- Pentocure – F is a semi-ultra fast accelerator blend for NR, SBR, BR, NBR and other highly unsaturated diene rubbers.
 - Pentocure – F readily disperses in rubber compounds, and has been specially designed to avoid grit formation on prolonged storage.
 - Pentocure – F has a long curing range and is very active above 115°C and it gives fast curing characteristics for polyisoprene rubber (e.g. NR) based compounds. At equal dosages in NR, Pentocure – F is less scorchy than MBT and exhibits almost similar or slightly faster cure rate and higher state of cure as compared to MBT or MBTS and hence the stress-strain properties of the vulcanizates are also superior.
 - Pentocure – F can be used as a single accelerator for rubber compounds where faster curing rates are desired.
 - Pentocure – F accelerator based cure systems can be further boosted using small proportions of TMTM / TMTD to improve the rate of cure with considerable compromise on scorch and reversion resistance particularly if dithiocarbamate accelerators are used as boosters.
 - Pentocure – F accelerator based systems can be retarded by using small proportions of acid retarders. Stearic acid also acts as an effective retarder and improves flow-properties of the rubber compounds during molding operations. Pentocure – F is a better choice for the manufacture of white/colored products as compared to thiazole class accelerators alone.

Packing : 25kg Polylinedpolywoven bag / Polylined paper bag.

Storage stability : Upto 1 Year in normal storage conditions.

Handling : Consult material safety data sheet (MSDS) for additional handling information for Pentocure – F.

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