

**SIN RUBTECH® POLYMER BOUND
PREDISPERSED MBT – 80G****Product Description**

Composition:	A proprietary predispersed 80% 2-Mercaptobenzothiazole in a 20% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Beige Granules.
Density:	Approx. 1.18 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active MBT)	> 170 °C
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	22 kg nett in sealed PE bag in a carton box.

Recommendations and Applications

Predispersed MBT – 80G is recommended where a more eco-friendly material, higher productivity and better dispersion is required. This often translates to lower bottom-line costing.

The active ingredient MBT is an all purpose accelerator for non-tyre applications. It is more scorchy than MBTS. Used alone, it gives an intermediate cure rate, flat curve and very good aging resistance vulcanisate. MBT is often used in combination with MBTS, guanidines, thiurams, dithiocarbomates, thioureas, dithiophosphates and sulphenamides to allow a wide range of cure behaviour even for the slow curing rubbers like IIR and EDPM. MBT is widely used as a secondary accelerator with EDPM proprietary accelerator e.g. Deutsche Oelfabrik Gesellschaft D.O.G. EG28.

MBT is non-discolouring and non-staining but can turn slightly yellow on exposure to light. MBT has a peculiar odour but not objectionable. MBT finds applications in transparent and light coloured articles. At normal dosage MBT does not bloom and it is FDA approved (at more 1.5%) for rubber articles intended for repeated or continuous contact with food. However MBT's bitter taste has to be considered in such applications.

MBT cannot be retarded satisfactorily with CTP and other retarders but with materials such as benzoic acid, salicylic acid and phthalic anhydride. For best results without affecting cure rate and colour, use SIN RUBTECH® OTOS in combination.

Dosage

Recommend initially to try MBT – 80G at weight to weight substitution of MBT powder. Dosage can be 0.5 - 2.0 PHR.

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