

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

Composition:	A proprietary predispersed 80% dibenzothiazyl disulphide in a 20% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Beige Granules.
Density:	Approx. 1.27 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active MBTS)	> 165 °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 MBTS – 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 MBTS is an all purpose accelerator for non-tyre applications and is the first delayed action accelerator in history. Used by itself, MBTS gives good processing safety, intermediate cure rate, flat curve and very good aging resistant vulcanisate. MBTS is often used in conjunction with MBT, guanidines, thurams, dithiocarbamates, thioureas, dithiophosphates and sulphenamides to allow a wide range of cure behaviour even for the slow curing rubbers like IIR and EDPM.

MBTS is non-discolouring and non-staining but can turn yellow on exposure to light. However this is not a problem to transparent and coloured products manufacturers as compounders can overcome this. MBTS does not bloom at normal dosage and it is FDA approved (at max. 1.5%) for rubber articles intended for repeated or continuous contact with food. MBTS has a bitter taste and if it is used in food stuff rubber articles, its dosage should be lower.

MBTS can be used as a retarder cum peptiser in Neoprene G types and as a retarder in Neoprene W types. MBTS is also a mild peptiser for NR.

MBTS cannot be satisfactorily retarded by CTP and other proprietary retarders but with acidic materials such as benzoic acid, salicylic acid and phthalic anhydride. If some discoloration can be tolerated then combination with CBS, TBBS or MBS are more effective to prolong scorch times. Use of SIN RUBTECH® OTOS at 0.3 to 0.5 PHR replacement of MBTS does the same thing without discoloration.

Dosage

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

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