

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

Composition:	A proprietary predispersed 80% Zinc Oxide in a 20% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations.
Appearance:	Light Beige Granules.
Density:	Approx. 2.69 g/cm <sup>3</sup> .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active ZnO)	~ 1927 oC
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	20 kg nett in sealed PE bag in a carton box.

**Recommendations and Applications**

Polymer Bound Predispersed ZnO – 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 Zinc Oxide (RED SEAL GRADE) is the most common inorganic activator used in conjunction with stearic acid for the activation of organic accelerators in sulphur vulcanisation. In chlorine containing polymers, ZnO – 80G can also be used as an acid acceptor, the predispersed form is preferred as acid acceptors need to be added early in the mixing cycle to ensure their beneficial effects.

In polychloroprenes (CR), ZnO – 80G is used with MgO as vulcanising agents. Because of the tendency of CR compounds to scorch during processing, mill or internal mixing temperature and time have to be kept low and short respectively. The use of ZnO – 80G helps.

**Dosage**

ZnO – 80G	:	3.75 - 6.25 PHR as activator
	:	5.0 - 6.5 PHR as vulcanising agent for CR with 4 PHR MgO.
	:	5 - 6.5 PHR as vulcanising agent for CR with 4 PHR MgO.

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