

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

Composition:	A proprietary predispersed 80% Zinc Oxide Active in a 20% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	White to Pale Yellow Granules.
Density:	Approx. 2.34 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active ZnOA)	~ 2100 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

Predispersed ZnOA – 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 Active is manufactured by a wet chemical process by precipitation from a zinc salt solution and differs from the Red and White Seal Zinc Oxide, which are produced by the oxidation of zinc vapour. Zinc Oxide Active has very fine particle sizes and is easily dispersed even in latex formulations.

Because of its fine particle sizes, ZnOA – 80G can be used at lower dosages than normal Red or White Seal grades and hence is ideal for translucent/transparent formulations as well as in goods where reduced Zinc Oxide content is desired.

Another advantage of ZnOA – 80G is its purity, example its lead content at less than 0.002% is 10x lower than the ZnO White Seal grade (ZnOW – 80G). Hence ZnOA – 80G is ideal for pharmaceutical products etc.

Zinc Oxide Active is expected to increase the Mooney Viscosity of compounds thereby giving added dimensional stability for extruded profiles especially in EPDM compounds.

Dosage

ZnOA – 80G	:	1.3 – 3.3 PHR as activator
	:	5 - 6.5 PHR as vulcanising agent for CR with 4 PHR MgO.

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