

**SIN RUBTECH® POLYMER BOUND
PREDISPERSED PbO – 90G****Product Description**

Composition:	A proprietary predispersed 90% Lead (II) Oxide (Litharge) in a 10% elastomeric / processing aids binder specially formulated for use in EPDM, NR, SBR, BR formulations
Appearance:	Yellow – Orange Granules.
Density:	Approx. 4.51 g/cm ³ .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: (of active PbO)	> 886 °C
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	25 kg nett in sealed PE bag in a carton box.

Recommendations and Applications

Predispersed PbO – 90G 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 Lead Oxide or Litharge can also be used as an activator in Sulphur cure systems but because of its toxicity, higher density and that PbO changes from yellow to black in the presence of Sulphur, PbO is only used in special applications to replace the standard zinc oxide.

Our less hazardous PbO – 90G is recommended for use in NR S – cured formulations for low water adsorption vulcanisate properties. For same reason, PbO –90G can be used in CR formulations replacing partly or all of MgO & ZnO at 10 – 20 PHR. PbO – 90G can also be used as a polyvalent metallic oxide vulcanizing agent in halogen containing polymers such as CR, CSM, ECO, etc. PbO - 90G can also be used in halogen containing polymers as acid acceptor. In most above applications, PbO can be used in place of Pb₃O₄, the preference is usually PbO because of its lower molecular weight 223.21 as against Pb₃O₄ at 685.63 and hence PbO is more efficient.

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