

**SIN RUBTECH® POLYMER BOUND  
PREDISPERSED DPG – 70G****Product Description**

Composition:	A proprietary predispersed 70% N, N' - Diphenyl guanidine in a 30% elastomeric/ processing aids binder specially formulated for EPDM, NR, SBR, BR formulations
Appearance:	Beige Granules.
Density:	Approx. 1.03 g/cm <sup>3</sup> .
ML 1+4 @ 50°C	< 70
Moisture Content:	< 1.0 %
Melting Point: ( of active DPG )	> 144 °C
Storage Stability:	At least 2 years under normal storage conditions.
Packing:	18 kg nett in sealed PE bag in a carton box.

**Recommendations and Applications**

Predispersed DPG – 70G 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 DPG is seldom used alone as an accelerator because of its long scorch time, long vulcanisation time, peaky plateau and poor vulcanisate ageing resistance. DPG can be used alone in the curing of thick articles and ebonites.

DPG is basic in character and is often used as a secondary accelerator in combination with thiazole, thiuram or dithiocarbamates. It shows synergistic effects. In triple combinations of sulphenamide + dithiocarbamate + DPG, they show highly synergistic effects.

DPG is useful in acidic materials e.g. silica fillers and some factices. DPG is seldom used in IIR and EPDM compounds.

DPG is also used in CR sulphur cures if better scorch safety is required e.g. DPG / TMTM / S systems.

Vulcanisates with DPG can discolour on light exposure, but at below 0.7 PHR, when used in combination with MBT, MBTS or TMTD, TMTM, this defect is seldom seen.

DPG has an objectionable odour and a bitter taste. DPG is readily soluble in NR and finds applications in precure cushion gum formulations where bloom is to be avoided at all costs.

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