

**SIN RUBTECH<sup>®</sup> POLYMER BOUND  
PREDISPERSED DCP – 40G****Product Description**

Composition:	A proprietary 40% Dicumyl Peroxide in a 60% elastomeric / processing aids binder specially formulated for use in 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 DCP)	> 39 oC
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**

Polymer bound predispersed DCP – 40G is recommended where a more eco-friendly material, high productivity and better dispersion is required. This often translates to lower bottom line costing.

The active ingredient dicumyl peroxide is the most popular peroxide used to crosslink both saturated and unsaturated polymers with the exception of butyl rubbers. Due to the low melting point of dicumyl peroxide at ~ 39°C, it is difficult to store and handle under tropical conditions. Hence predispersed 40% dicumyl peroxides in clay or whiting carrier are common.

It should be noted that certain compounding ingredients such as silica, carbon black, antidegradants etc reduce the efficiency of dicumyl peroxide and slightly higher dosage may be needed.

Dicumyl peroxide gives an odour during and after curing and if objectionable, a non-volatile alkyl peroxide should be selected.

Our DCP – 40G is recommended even for transparent compounding.

**Dosage**

DCP – 40G should initially be at 2.5 x 100% active Dicumyl peroxide dosage and working towards 2.0 x 100% active dicumyl peroxide substitution.

Starting recommendations are :

	NR	SBR	EPDM	Millable PU
DCP – 40G PHR	2.5	3.75	6.75	4.00

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