



RUBBER ACCELERATOR ZBPD-75

Trade Name: Rubber accelerator ZBPD-75

Chemical Name : Zinc -O-,O-di-N-butylphosphorodithioate

Molecular Formula : C₁₆H₃₆O₄P₂S₄Zn

Molecular Weight : 548

CAS No.: 6990-43-8

Description ZBPD-75 is a non-staining, non-blooming, fast curing secondary accelerator for rubber compounds, especially EPDM and NR. It may be used with standard rubber accelerators but is most commonly used with other non-nitrosamine generating accelerators.

Specifications Q/KXHG12 -2014

Items	Specifications
Appearance	Off white powder
Assay %	72.4-76.6
Sulfur Content %	15.7-17.8
Zinc Content %	8.0-9.9
phosphorus Content %	7.3-8.8
Methanol Insolubles, %	23.0-27.0
PH Value ≥	/

Dosage levels ZBPD-75 can be used in NR and EPDM at levels of 1.0 to 4.0 phr (based on pdr-75%) as a secondary accelerator in combinations with sulfenamides, thiazoles and thiurams. When used in NR to improve reversion resistance, care must be taken to select the level of Vocol ZBPD-75 to obtain the best compromise between scorch and reversion resistance. Since ZBPD-75 is non-blooming and non-discoloring, it can be used in translucent, fast curing NR shoe sole compounds.

Applications It is mainly used as an accelerator in non-blooming, relative low cost, fast curing systems for EPDM. Because of its non-amine based structure, ZBPD-75 can be used as a component in non-N-nitrosamine generating cure systems. When used in combination with MBTS or sulfenamides in NR compounds, ZBPD-75 dramatically improves reversion resistance. ZBPD-75 is regulated for use in articles in contact with food as specified under BgVV.XXI, category 4, and is not regulated for use in FDA food contact applicants.

Typical formulations:

	NR(phr)	EPDM(phr)
Sulfur	1.0	1.0
ZBPD-75	2.0	2.7
CBS	0.6	-
TBBS	-	2.0



TMTD	-	1.0
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- Storage** Store in closed containers in a cool, dry, well-ventilated place. Avoid exposure to direct sunlight.
- Packing** Net weight 25kg/bag

