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ZINC PRODUCTS
-ZINC OXIDES-

ZINC OXIDE RGT-H

PRODUCT DESCRIPTION:

Zinc Oxide RGT-H is a French Process Zinc Oxide made from high purity zinc metal and coated with small amounts of propionic acid.

USES:

Zinc Oxide RGT-H is a fine particle size oxide serving as a cure activator/additive in rubber compounding, adhesives and latex applications. Being French process zinc, it can be used in white and colored rubber articles, where a zinc oxide of good color and high chemical purity is desirable. It has a standard particle size and surface area most useful to a wide range of rubber curing applications. The high heat transfer ability of ZnO means it is useful in dynamic applications where internal heat buildup is a problem. 10 phr or more of ZnO will transfer heat from the center of a product to the surface where it can be dissipated. Conversely, non-black compounds heat up quicker and more evenly during cure if higher levels of ZnO are used. Useful in non-black articles to protect from UV weathering. RGT-H is more effective than TiO₂. Use ZnO as 10% (not 10 phr) of compound for good UV protection in non-black formulas.

TYPICAL ANALYSIS:

Chemical:

ZnO (Dry Basis).....	99.9%
Pb	0.0015%
Cd.....	0.0003%
Fe.....	0.0002%
Cu.....	0.0001%
Propionic Acid	0.10%

Physical:

Surface Area.....	5.0 m ² /g
Mean Particle Size	0.23 microns
Specific Gravity	5.6 g/ml
Packing Density	50 lbs/ft ³
Passing 325 mesh.....	99.99%

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