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Kadox® 920 Zinc Oxide Series

DESCRIPTION

KADOX®-920 is a French Process zinc oxide as defined by ASTM D-4295. It is a high purity oxide providing a surface area and reactivity between KADOX®-911 and KADOX®-930. KADOX-920 is available in the following forms:

920	<i>Powdered</i>
920C	<i>Propionic Acid Coated</i> allowing it to be more readily wet by rubber, thus hastening incorporation and aiding in dispersion
920H/920P	<i>Pelleted</i> providing low bulk, low dusting, and greatly improved flow properties
920CO	<i>Propionic Acid Coated with Processing Oil added</i> reducing the tendency of the oxide to dust during handling and allowing it to be more readily wet by rubber, thus hastening incorporation and aiding in dispersion.
920CP	<i>Propionic Acid Coated and Pelleted</i> providing low bulk, low dusting, greatly improved flow properties, and allowing it to be more readily wet by rubber, thus hastening incorporation and aiding in dispersion

USES

RUBBER – All 920 forms are used extensively in various rubber products, such as mechanical goods, insulated wire, footwear, and tires, where uniform activation, moderate reinforcement, and good dispersion are desired.

OTHER USES – Non-coated 920 forms are used in the production of ceramics, rayon, resins, textiles, zinc chromates, and phosphate solutions where a high purity zinc oxide is required.

TECHNICAL DATA

Representative Physical Properties

Mean Surface Particle Diameter, μ	0.21
Specific Surface, m^2/g	5.0
Through 325 Mesh, %	
920/920C/920CO.....	99.99
920H/920P/920CP.....	99.98
Specific Gravity.....	5.6
Apparent Density lb/ft^3	
920.....	35
920C/920CO.....	50
920H/920P.....	60
920CP.....	65
Specifications.....	ASTM D-79

Representative Chemical Properties

ZnO, %	
920/920H/920P.....	99.9
920C/920CP.....	99.7
920CO.....	99.4
CdO, %.....	0.005
Fe ₂ O ₃ , %.....	0.001
PbO, %.....	0.001
H ₂ O Soluble Salts, %	
920/920H/920P.....	0.02
Propionic Acid, %	
920C/920CO/920CP.....	0.2 added
Processing Oil, %	
920CO.....	0.3 added

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