ZINC CORPORATION OF AMERICA
300 Frankfort Road
Monaca, PA 15061-2295
Phone: 724-774-1020
Fax: 724-773-2269
http://www.zinccorp.com

KADOX-911C ZINC OXIDE

DESCRIPTION

KADOX-911C is a high surface area, high-purity French Process zinc oxide. KADOX-911C is made from KADOX-911 by surface treatment with propionic acid. This treatment allows the zinc oxide to be more readily wet by rubber, thus hastening incorporation and aiding dispersion. KADOX-911C was especially developed to provide a zinc oxide at highest surface area and reactivity. The particle size is so small that it is below the optimum for opacity; consequently it is frequently used in transparent rubber for its lower hiding power.

USES

RUBBER **– KADOX-911C provides highest activating power and reinforcement in rubber. Because of its high surface area, it gives an accelerating effect. In insulated wire, it provides high reinforcement together with good electrical properties – low moisture absorption and low dielectric constant. In transparent rubber, KADOX-911C furnishes maximum activation with minimum opacity. In aqueous dispersions for latex, KADOX-911C provides excellent dispersion, minimum settling, and maximum activation.**

LUBRICANTS **– KADOX-911C is used in the production of specialized lubricating products, which reduce corrosion and wear in automotive engines.**

TECHNICAL DATA

Representative Physical Properties

Mean Particle Size, µ	0.12
Surface Area, m^2/g	9.0
Specific Gravity	5.6
Apparent Density, lb/ft^3	40
Through 325 Mesh, %	99.99
Specifications	ASTM D-79
	ASTM D-4295

Representative Chemical Properties

ZnO, %	99.7
PbO, %	0.001
CdO, %	0.005
CuO, %	<0.0005
MnO, %	<0.0005
Fe_2O_3, %	0.001
Propionic Acid, %	0.2 added

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Revised 3/2001