

SMOKE DEFENSE SERIES SD890

Typical Properties

Color	white to off-white
Specific gravity	2.87
Median particle size (microns)	2-3
99% less than (microns)	20
Decomposition temp.	>550°F (>290°C)

The SD890 reactive smoke suppressant blend has been specially formulated to provide the maximum reduction in smoke generation at the lowest possible cost when replacing molybdate based additives in PVC compounds. Specifically, work has been done which shows that it is possible to replace 100% of Ammonium Octamolybdate while achieving a further improvement in smoke suppression of a typical PVC plenum jacketing formulation.

PVC Wire & Cable Jacket Example		
Formulation Ingredient (phr)	Control	SD890
PVC Resin	100	100
DINP	50	50
Ca-Zn stabilizer	5	5
Stearic Acid	0.2	0.2
ATH	70	70
AQM	15	0
SD890 Synergist	0	15
Limiting Oxygen Index %	30.5	32.0
Smoke Density ASTM E662 Flaming Ds 1.5 min	53.4 ± 16.0	23.3 ± 5.8
Smoke Density ASTM E662 Flaming Ds 4.0 min	114.6 ± 8.3	88.7 ± 13.7

HEALTH AND SAFETY: Refer to the Safety Data Sheet
PACKAGING: 50 lb paper bags; pallet weight 2500 lbs.

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