

C-TEC™ CT-FR Z20S

Typical Physical Properties

Color	white to off-white
Specific Gravity	3.60
Mean Particle Size (microns)	2-3
99% Less Than (microns)	25
Decomposition Temp. (°F)	>550

C-TEC FR Z20S is advanced flame retardant synergist technology.

Incorporating Marshall Additives Technologies (MAT) proprietary product design, C-TEC FR Z20S is a lower-cost, lower antimony-containing synergist product which can provide all the performance of 100% antimony oxide but at a cost reduction of up to 50% or more depending on the formulation and application.

C-TEC FR Z20S is not only more cost/performance effective, it often imparts a smoke advantage as well.

APPLICATIONS: Below is a sample PVC formulation comparison of antimony oxide and C-TEC FR Z20S. This is a flexible PVC formulation which might typically be used for a Riser Cable Jacket application.

100 phr PVC, 45 phr DINP Plasticizer, 8 phr Brominated DOP,
70 phr ATH, 4 phr CaZn stabilizer

	<u>Oxygen Index</u>
10 parts Antimony Trioxide	38.5
10 parts C-TEC FR Z20S	39.4

Oxygen Index values at this level are considered equivalent. Again, the advantage in the C-TEC FR Z20S formulation is the significant cost reduction and there is also a demonstrated reduction in smoke density of 300 times (per NBS testing).

HEALTH AND SAFETY: Refer to the Material Safety Data Sheet

PACKAGING: 50 lb. plastic bags, pallet weight 2500 lbs.

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