

FLAME DEFENSE SERIES

FD313S

The FD313S reactive synergist blend has been specifically formulated to serve as a 100% replacement of Antimony Trioxide in PVC compounds where the Antimony Trioxide loading level is between 2 and 5 phr.

This product has also been shown to have efficacy in other polymer types where the primary flame retardant is halogen based.

Typical Physical Properties

Color **white to off-white**

Specific Gravity **3.64**

Median Particle Size **2-3 μ m**

Decomposition Temperature **>550°F (>290°C)**

Formulation Ingredient	Control ATO	FD313S
PVC	100	100
Plasticizer	45	45
Ca-Zn Stabilizer	3.5	3.5
Stearic Acid	0.5	0.5
ATH	30	30
CaCO ₃	30	30
ATO	3	0
FD313S Synergist	0	3
LOI	31.5	33.0

Contact MAT

Technical Support: Veronica.Livingstone@MATadditives.com

Customer Service: Suzanna.Murphy@MATadditives.com

Health and Safety: Refer to the Safety Data Sheet
Packaging: 50 lb. plastic bags, 2500 lb. pallet weight

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