

**FLAME DEFENSE SERIES**

# FD313S

The FD313S reactive synergist blend has been specifically formulated to serve as a 100% replacement of Antimony Trioxide in mid-range PVC compounds. It is especially effective in coated fabric applications.

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

Typical Physical Properties	
<b>Color</b>	<b>white to off-white</b>
<b>Specific Gravity</b>	<b>3.64</b>
<b>Median Particle Size</b>	<b>2-3 μm</b>
<b>Decomposition Temperature</b>	<b>&gt;550°F (&gt;290°C)</b>

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
CaCO3	30	30
ATO	3	0
FD313S Synergist	0	3
<b>LOI</b>	<b>32.0</b>	<b>33.0</b>

**Contact MAT**

Technical Support: [Veronica.Livingstone@MATadditives.com](mailto:Veronica.Livingstone@MATadditives.com)

Customer Service: [Suzanna.Murphy@MATadditives.com](mailto:Suzanna.Murphy@MATadditives.com)

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

Terms and Conditions of Sale: All statements, technical information and recommendations are based on tests we believe to be reliable. The accuracy or completeness is not guaranteed, and the following is made in place of all warranties, expressed or implied. Our only obligation is to replace product proved to be defective. We shall not be liable for any injury, loss or damage, direct or indirect, from using or not being able to use the product. Before using, customer must determine the suitability of the product for the intended use and customer assumes the responsibility. This statement may not be changed except by an agreement signed by an officer of the Michigan Additive Technologies Inc.