

## **FLAME & SMOKE DEFENSE SERIES**

### **FSD485**

#### Typical Physical Properties

Color	white to off-white
Specific Gravity	3.98
Median Particle Size (microns)	2-3
99% Less Than (microns)	25
Decomposition Temp.	>617°F (>325°C)

FSD485 is an antimony free proprietary inorganic blend flame retardant synergist for use with halogen based flame retardant compounds, where Zinc Stannate is used as the primary synergist. It allows the formulator to reduce the amount of the expensive Zinc Stannate while retaining flammability performance and hence providing an overall cost saving. This product is applicable to PVC, CPE and a wide range of polymer systems where the flame retardant is bromine or chlorine based.

PVC Wire & Cable Jacket Example		
Formulation Ingredient	Control	FSD485
PVC Resin	100	100
DINP	45	45
Ca-Zn stabilizer	6	6
Stearic Acid	0.3	0.3
ATH	60	60
Zinc Stannate (ZST)	5	0
<b>FSD485 Synergist</b>	<b>0</b>	<b>5</b>
Limiting Oxygen Index %	31.5	32

*The use of cost effective FSD485 to replace zinc stannate can reduce your synergist cost.*

For further guidance it is recommended that customers contact the R.J. Marshall Company to discuss their specific recipes.

HEALTH AND SAFETY: Refer to the Safety Data Sheet

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

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