

FLAME & SMOKE DEFENSE SERIES

FSD479

Typical Physical Properties

| | |
|--------------------------------|--------------------|
| Color | white to off-white |
| Specific Gravity | 3.44 |
| Median Particle Size (microns) | 2-3 |
| 99% Less Than (microns) | 25 |
| Decomposition Temp. | >428°F (>220°C) |

FSD479 is an antimony free proprietary inorganic blend flame retardant synergist for use with halogen based flame retardant polymer compounds where Zinc Hydroxy Stannate is used as the primary synergist. It allows the formulator to reduce the amount of the expensive Zinc Hydroxy Stannate while retaining flammability performance and hence provide an overall cost saving. This product is applicable to PVC, GPE, and a wide range of polymer systems where the flame retardant is bromine or chlorine based.

| PVC Wire & Cable Jacket Example | | |
|---------------------------------|----------|----------|
| Formulation Ingredient | Control | FSD479 |
| PVC Resin | 100 | 100 |
| DINP | 45 | 45 |
| Ca-Zn stabilizer | 6 | 6 |
| Stearic Acid | 0.3 | 0.3 |
| ATH | 60 | 60 |
| Zinc Hydroxy Stannate (ZHS) | 5 | 0 |
| FSD479 Synergist | 0 | 5 |
| | | |
| Limiting Oxygen Index % | 32 | 33.5 |

The use of cost effective FSD479 to replace zinc hydroxy 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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