

# Safire<sup>®</sup> 400

## Melamine Poly (Zinc Phosphate)

### DESCRIPTION

Safire<sup>®</sup> 400 is a halogen free flame retardant which exhibits both gas and condensed phase activity. It can be used in a wide variety of polymer systems. Safire<sup>®</sup> 400 is synergistic with phosphinate, borate and nitrogen-based flame retardants, as well as metal hydrates. The mixture of Safire<sup>®</sup> 400 with the aluminum salt of a diethylphosphinic acid is specially suited for Polyamide 6.6, providing high fire protection together with better arc-tracking resistance (CTI) and smoke properties compared to conventional FR systems. It can be used in compounds designed for transportation applications (railway, aerospace & marine).

### Typical Physical Properties

Composition:	Melamine Poly (Zinc Phosphate)
Appearance:	white powder
Zinc Content (%)	13
Phosphorous Content (%)	14
Nitrogen Content (%)	32
Specific Gravity (gm/cm <sup>3</sup> )	2.4
Median Particle Size (µm)	3.0