


FLAME DEFENSE SERIES


FDPP94

Typical Physical Properties

Color	white to off-white
Specific Gravity	3.24
Median Particle Size (microns)	2-3
99% Less Than (microns)	25
Decomposition Temp.	>550°F (>290°C)

FDPP94 provides formulators of UL94 rated polypropylene compounds with options to reduce the cost of their flame retardant package. Designed specifically for formulations flame retarded with halogenated additives, the cost-efficient FDPP94 product can *replace around 50%* of the Antimony Trioxide (AO) synergist, while maintaining flammability performance. Additionally, FDPP94 has been observed to reduce the flow and dripping of the material during UL94 testing when compared to an equivalent version which incorporates only Antimony Trioxide as the synergist.

Homopolymer VO UL 94 Target			Control	50:50 AO:FDPP94
Ingredient (phr)	Control	FDPP94		
PP Homopolymer	116	116		
Saytex 8010	44	44		
Talc	28	28		
AO	12	6		
FDPP94 Synergist	0	6		
UL-94 Rating	V-0	V-0		

Copolymer V2 UL94 Target			Control	50:50 AO:FDPP94
Ingredient (%)	Control	FDPP94		
PP Copolymer	85.6	85.6		
Saytex 8010	10.4	10.4		
AO	4	2		
FDPP94 Synergist	0	2		
UL-94 Rating	V-2	V-2		

For further guidance it is recommended that customers contact matsolutions@rjmarshall.com 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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