



PRODUCT

Fire Cut P-7163 (FCP-7163)

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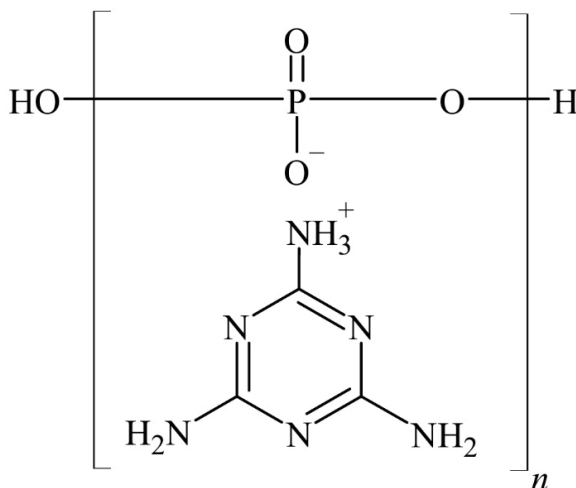
FCP-7163 is a low-halogen flame retardant composite designed to provide the best possible performance to meet the flame retardancy standards of PP UL94 V-2 and FMVSS-302 by synergism of low amount of brominated FR and radical initiator contained in FCP-7163 even without antimony trioxide. It can comply to 850ppm of RoHS halogen-free standard if the loading level is 5% or less.

COMPOSITION

1. Melamine polyphosphate (Main component)
2. Radical initiator
3. Brominated flame retardant

CHEMICAL STRUCTURE

Melamine polyphosphate



PROPERTIES

Appearance	White Powder
Phosphorous Content	ca.10%
Nitrogen Content	ca.37%
Bromine Content	ca.1.3%
Volatiles	≤0.5%



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APPLICATION

Polypropylene

PACKAGE

20kg net paper bag

FORMULATION

PP (MI=11)	95.0	94.5
FCP-7163	5.0	
Brominated flame retardant FCP-680		4.0
Antimony Trioxide AT3		1.5
Oxygen Index	25.0	24.5
UL94 3.0mm	V-2	V-2
1.5mm	V-2	V-2
0.8mm	V-2	V-2