

FCI FLAME RETARDANTS

34 Glen Lake Drive, Medford, NJ 08055

Technical Data Sheet

FCI 2068 FR Blend

CAS No.	68333-79-9
Chemical Formula	(NH ₄ PO ₃) _n , (n > 1000)
Appearance	White, free-flowing powder

Specifications

ITEM	UNIT	STANDARD
Phosphorus	% (w/w)	21
Nitrogen	% (w/w)	17
Water content	% (w/w)	0.8
Thermal decomposition	°C	270
Average particle size	µm	9-17

Applications

FCI 2068 is a high waterproof intumescent flame retardant. As compared to FCI 1068, it shows higher retardancy, waterproof and dispersion abilities.

. Recommended dosage

Resin	Loading/%	UL94 Test
Homopolymerized PP	18~23 (Injection molding)	V-0 (1.6mm)
Copolymerized PP	20~26 (Injection molding)	V-0 (1.6mm)
Homopolymerized PP	28~32 (Injection molding)	V-0 (0.8mm)
Copolymerized PP	30~35 (Injection molding)	V-0 (0.8mm)

; Notes: The above recommended dosage is not a product quality guarantee. Different equipment, techniques of production and prescriptions may lead to different loadings. Please refer to the actual parameters.

Safety and toxicity

Acute oral toxicity LD₅₀ (rat): ≥2000mg/kg LD50

Storage: Dry, at room temp.

Packing

25kg / bag, woven bag lined with PE bag