



**Description**

Product Name : Ammonium polyphosphate (APP-205)  
 Equivalent Name : Budenheim Budit 3167  
 Cas No. : 68333-79-9

**Application**

APP-205 may be used in poly-propylene, PP-copolymers and PP-blends.

**Benefits and Features**

APP-205 is a non-halogenated flame retardant based on APP-201 which develops its effectiveness through phosphorus / nitrogen synergism. When incorporated into thermoplastics, it exhibits high processing stability. APP-205 differs in its mode of action from chlorine- or bromine-containing flame retardants by achieving its effect through intumescence. The thermoplastic material foams on exposure to flame. The carbon foam layer so formed protects the polymer through its heat-insulating effect, reduces further oxygen access and prevents dripping of the thermoplastic.

**Typical Properties**

Appearance .....	white powder
P %.....	21-23
Bulk Density (g/cm <sup>3</sup> ).....	0.45
Density (g/cm <sup>3</sup> ) .....	1.8
Decomposition temperature °C .....	250 min.
Solubility in water (g,25°C g/100ml H <sub>2</sub> O).....	0.5 max.
PH .....	5.0-7.5
Average particle size (um).....	16 max.

These properties are typical but do not constitute a specification either in part or as a whole.  
 Specification data is available on request from sales, customer service or customer technical service.

**Shipping Information**

Transportation classification: No regulated for transportation.  
 Packing: 25kg/bag; 875kg/pallet; 17.5mt/20'FCL.

**More information**  
**Please Contact Us**

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