

June 25th, 2013

Flame retardant for polyolefins ADK STAB FP-2000 series

TOKYO JAPAN – ADEKA Corporation (<http://www.adeka.co.jp/en/chemical/index.html>) is a leading Polymer Additives manufacturer and has a wide range of excellent polymer additives which provide plastics with amazing performance.

In general, plastics have highly flammable characteristic and flame retardancy is required to prevent the risk of fire. Halogen based flame retardants are typically added to plastics in order to improve the flame retardancy. But there is a strong demand from the market to move away from halogen based flame retardants for health and safety reasons.

ADK STAB FP-2200 is a nitrogen-phosphorus based, halogen-free flame retardant for polyolefins and is one of our unique products. It has been developed for use mainly for parts such as home appliances, office machines, wire & cable jacketing, building materials and vehicles.

The strength of this product is the suppression of carbon monoxide and smoke generation. It leads to an eco-friendly way to reducing the risk and damage related to fires.

ADK STAB FP-2200 has the following advantages.

1. FP-2200 is recommended for use in polypropylene (PP) homopolymer and copolymer, high and low density polyethylene (PE), ethylene vinyl acetate copolymer and others.
2. FP-2200 can provide polyolefins with excellent flame retardancy by formation of intumescences, which reduces the generation of both dark smoke and carbon monoxide during combustion.
3. FP-2200 provides flame retarded polyolefins with low density and high mechanical properties.
4. An appropriate light stabilizer can be added without any issue to give the excellent UV resistance to the flame retarded polymer with in FP-2200 for outdoor applications.

ADK STAB FP-2200 has been manufactured at ADEKA FINE CHEMICAL SHANGHAI Co., Ltd. (AFCS) since 2011. The current capacity is 3,000 ton a year and will be increased to 5,000 ton in order to keep up with the market demand. ADEKA Group is considering expanding the capacity further based on market predictions.

ADEKA is also active in Flame Retardants Market as one of the founders of PINFA, Phosphorus, Inorganic & Nitrogen Flame Retardants Association, supported by Cefic, European Chemical Industry Council.

ADEKA will have a booth at K trade fair 2013 which is the largest exhibition in the world for plastics and rubbers from 16th to 23th October, 2013 in Düsseldorf Germany. At K 2013, ADK

STAB FP-2200 will be exhibited alongside the other excellent Polymer Additives from ADEKA such as Antioxidants, Light Stabilizers, Nucleating Agents, Clarifiers, Plasticizers and PVC Stabilizers.

ADEKA is positioning the Polymer Additives business as a core business and to continuously grow by expanding the Global sales and manufacturing network. Currently there are 22 ADEKA subsidiaries in the world. ADEKA can therefore supply the wide range of Polymer Additives, which includes both the commodity and specialty additives to customers worldwide.

For more information, please visit our web site.

<http://www.adeka.co.jp/en/chemical/index.html>