

TinGuard™ 1821 Flame Retardant Synergist

Introduction

TinGuard™ 1821 is a phosphorus free, non-corrosive, silicone powder designed to develop synergistic flame retardancy effects when combined with aluminum phosphinate in glass fibers reinforced polyamide 6 and 66.

Physical Properties

Appearance	White powder
Bulk Density (g/cm ³)	0.4-0.6
Volatile Loss (%)	Max.0.5
Flash Point (°C)	Min.350

Benefits & Applications

- Excellent FR synergist performance at low loadings;
- Stability at high processing temperatures required for glass-filled PA;
- Powder form for easy blending;
- Non-phosphorus and non-corrosive flame retardant co-synergist alternative to melamine polyphosphate.

TinGuard™ 1821 can be used as synergist with metal-phosphinate based flame retarded glass reinforced polyamide 6 and polyamide 66 systems where improved mechanical and low corrosion are needed.

TinGuard™ 1821 can be used as a replacement of classical melamine polyphosphate synergist where low phosphorus is required.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to two years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.



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Packing

TinGuard™ 1821 is supplied in 20Kg Carton Box, 480Kg/pallet.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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