

KAPPAFLAM UB NEW

Flame retardant for polymer melts

Chemical composition	melamine derivative
Appearance	white powder
Bulk weight (g/ml)	1.65 -1.85
Solubility in water at 20 °C (g/100ml)	< 0,01
Particle size	min. 95 % < 25 µm
Temperature of decomposition (°C)	> 350

Function

By impact of heat KAPPAFLAM UB NEW releases incombustible protective gases and has a charring effect. Due to its thermal stability and the low volatility (it does not have a melting point or softening interval and decomposes only at more than 350 °C), KAPPAFLAM UB NEW can be added during processing (polymeric hot melt, fibre production) without loss by decomposition or volatilisation.

KAPPAFLAM UB NEW is halogen free, non-hygroscopic and very effective at low concentrations.

Application

KAPPAFLAM UB NEW is compatible with many polymers and it is an effective flame retardant especially for the following synthetic fibres:

- polyamide,
- polyester,
- polyurethane,
- polyolefine.

By adding KAPPAFLAM UB NEW to the corresponding polymer normally no discolouration of the final product occurs. KAPPAFLAM UB NEW can also be applied in carpet back coatings.

Recommended application level referring to the polymer:

- 3 – 30 % KAPPAFLAM UB NEW

The interaction of KAPPAFLAM UB NEW with other additives (pigments, auxiliaries, etc.) should be evaluated in individual cases.

Dilution instruction

KAPPAFLAM UB NEW is insoluble in water and most solvents.

Storage

KAPPAFLAM UB NEW remains stable for at least 6 months if stored properly, cool and dry in a tightly closed original container.

Keep away from oxidants!

Contact

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