



Flame retardant

Dova MPP 307

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Melamine Pyrophosphate

Product Description

Dova MPP 307 is a salt of melamine and phosphoric acid, suitable for use as a component for formulating intumescent flame - retardant systems. Above 200 °C melamine phosphate reacts to melamine pyrophosphate, releasing water, which will result in a heat sink effect.

Benefits

- DovaFR MPP307 is a halogen-free flame retardant with high purity.
- DovaFR MPP307 is white fine powder.
- DovaFR MPP307 is with excellent thermal stability and Fine particle size and good dispersion.
- Can be partially used instead of ammonium polyphosphate (as a spumescent and a catalyst) in some intumescent applications.
- DovaFR MPP 307 is a halogen free FR and offers significant advantages in terms of fire safety. It will release lower smoke density, lower smoke toxicity and less corrosive gases.

Specifications

Characteristics	Unit	Standard Request	Test Method
Appearance		White powder	Dova Test
Phosphorus (P) content	% (w/w)	14 Min	Dova Test
Nitrogen(N) content	% (w/w)	38 Min	Dova Test
Solubility g/100ml H ₂ O, 25°C	% (w/w)	0.15 Max	Dova Test
Specific gravity	g/c m ³	1.8	Dova Test
pH value (1% aqueous solution)		5.0-7.3	Dova Test
Particle size (<30 µm)	% (w/w)	99 Min	Dova Test
Decomposition Temperature	°C	300 Min	Dova Test

¹) Delivery specification: The product is monitored on a regular basis to ensure that it adheres to the specified values.

²) Technical data: The technical data are used solely to describe the product and are not subject to regular monitoring.

Applications

DovaFR MPP307 may be use in fabrics, nylons, paint, paper and plastics as flame retardant. DovaFR MPP307 compatible with melamine-urea formaldehyde systems. It is also shown uses in the electronic industry when incorporated in the manufacturing of circuit boards and other equipment. It is applied in epoxy and other adhesive compositions to achieve fire retardant barriers in glue lines in wood and plastic laminates.

Delivery Form

white fine powder

Packaging

DovaFR MPP307 is supplied in 25 kg bags / 1.000 kg shrink-wrapped pallets.

Storage

DovaFR MPP307 is non-hygroscopic. However, when stored in open container, the product can still absorb small amounts of moisture owing to the high surface area of the powder. It is in sealed containers at room temperature in a dry place. Partially emptied containers should be carefully resealed after use.

Minimum shelf life is 24months from the date of shipping when stored according to the said conditions.

Contact Us

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).