



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

**FERRO-PLAST S.r.l.**

Via Grandi, 25 - 20090 Vimodrone (Mi)

Tel. +39.02.27409415 Fax +39.02.27409420 E-mail [ferroplast@ferroplast.com](mailto:ferroplast@ferroplast.com) - [www.ferroplast.com](http://www.ferroplast.com)

## FerroFlam PS RPM 340B

Informazioni Tecniche

### Flame Retardant for Polystyrene

#### Product description

**FERROFLAM PS RPM 340B** is a non -halogenated flame retardant based on red phosphorus, particularly suitable for polystyrene articles. It is offered as a free-flowing and dust-free master batch in pellets physical form which makes it very easy to handle, accurate to dose and safe to process, allowing high consistency in the quality of the final article.

**FERROFLAM PS RPM 340B** is based on stabilized and micro-encapsulated red phosphorus powder grades and polystyrene as a carrier resin. It is easy to be homogeneously dispersed in the polymer compound.

#### Delivery Specifications and Technical data

Characteristics	unit	Target Value	DS 1)	TD 2)
Phosphorus	%(w/w)	45-47	√	/
Moisture	%(by wt)	max 0.1	√	/
Density	g/cm <sup>3</sup>	approx.1.5	/	√
Fire Temperature	°C	> 320	/	√

- 1) The product is constantly monitored to ensure that it adheres to specified values.
- 2) The technical data are used solely to describe the product and are not subject to constant monitoring.

#### Applications

**FERROFLAM PS RPM 340B** is the master batch developed especially for HIPS, also suitable for ABS, intended to be used for the shell of domestic appliances or other parts.

#### Formulation

In HIPS, a recommended dosage of **FERROFLAM PS RPM 340B** should range from 8 to 10% (by wt), combined with other synergistic flame-proofing agents, such as metal hydroxides (Mg (OH)<sub>2</sub>, Al (OH)<sub>3</sub>), organic phosphoric esters, melamine derivatives, etc.

#### Processing

**FERROFLAM PS RPM 340B** is endowed with high thermal stability for HIPS, ABS. It is suitable temperatures rise up to 280°C without degrading or releasing die build-up or carbonaceous residues in hot runners.

#### Packaging

**FERROFLAM PS RPM 340B** is delivered in 25kg Multi-layer sealed bags, or per customer's requirements.