



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

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FerroFlam PA 50-RP

Informazioni Tecniche

Description

FerroFlam PA 50-RP is an "Halogen Free" Flame Retardant masterbatch on a Red Phosphorous Base, developed in particular for PA6, PA6.6 and their glass fiber reinforces.

Applications

FerroFlam PA 50-RP is recommended in the plastics field and in materials that require high mechanical and electrical performances.

Thanks to the fine quality and high stability of red phosphorous particles, this products ensure high self-extinguish properties, keeping excellent electrical characteristics

The recommended quantity of **FerroFlam PA 50-RP** to be used with PA 6 o 6.6 goes from 8% to 16%. Generally, using the 12% of Masterbatch with PA 6,6 at 30% of Glass-fiber can be obtained V-0 (UL 94 - 0,8 mm) and CTI >600 V with Glow wire > 960 °C

This modest addition allows the polymer to keep its high mechanical properties.

Typical Properties:

Red Phosphorous content:	= 50 +/- 2 %
Fire Point:	> 300°C
Specific Gravity	= 1,54 – 1,60
Umidity	< 0,15 %
Addition %	8-16% (according type of PA, thickness and % of glass fiber)

Typical Formulation:

Polymer	% Master	Characteristics	
		UL 94, 0.8mm	Glow Wire
PA 6 - PA 6.6 - 30% GF	12 – 13 %	V-0	> 960°C

Thanks to PA6 support, **FerroFlam PA 50-RP** has an excellent compatibility with PA6 - PA6,6 and is stable at their working temperature.