



## Kimadd 6313

### Br-Flame Retardant

#### Product Description

Kimadd 6313 is a made by Special compound technology. This masterbatch is containing base on polypropylene resin. It's usage for increase flame retardant of polyolefin (PE, PP, ABS, PS, EVA and ...). with Brominated flame retardants (BFRs) are organobromide compounds that have an inhibitory effect on the ignition of combustible organic materials. Of the commercialized chemical flame retardants, the brominated varieties are most widely used. They are very effective in plastics and textile applications, e.g. electronics, clothes and furniture. BFRs are commonly used in electronic products as a means of reducing the flammability of the product. We, Offer the plastics industry the most effective Flame Retardants that help in enhancing consumer safety, while being committed to environmental concerns.

The addition level of the masterbatch depends to the final application. Typical addition levels vary from 3% to 7%.

#### General

Carrier	• PP
Compatibility	• Polyolefin
Features	• Excellent Process ability
Uses	• Injection and Extrusion process
Appearance	• White - Natural
Packaging	• 25 sacks on pallet or 1000kg big bags

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (230°C/2.16 kg)	20±5	g/10 min	ASTM D 1238
Flame	V-0 (9% in PP Z30S)	-	UL-94
Water Content	<0.05	%	ASTM E1868
Moisture Content	<1000 ppm		ASTM D789

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	135 ±3	°C	ASTM D3418

#### Extrusion

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die	Melt Temp
150	170	190	200	200	210	210-220

#### Injection

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4
150	170	190	200

#### Storage & Shelf life

Sacks should be stored in dry/closed condition at temperature below 50 °C and protected from UV /direct sunlight. Shelf life at proper storage is at least 18 month from production date, but in case of a long storage time potential moisture pick-up needs to be eliminated by drying before extrusion. Under these conditions the product can be hold at least 24 months.

#### Note

- Test results have been achieved in lab condition. Miss handling may give different result and sometimes outside of the standard
- The specifications given are the guidelines only.
- Above compound is suitable to run on different machines; however some adjustments may be required on individual machine.
- The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing

Issue Date: Nov. 2019

Issue Number: 01

R&D Department