# PP - MB FR202

## Low-Halogen Flame-Retardant Masterbatch

### Description

The flame retardant masterbatch is a polymer-based additive with high thermal stability. This product is added to plastics at low weight percentages to prevent the initiation and spread of fire significantly. Even with very low percentage usages, this masterbatch achieves flame resistance properties according to the UL94 V-0 standard. We can produce this product in different grades including halogenated, low-halogen and halogen – free, and different basis of polymers such as PP, PE, PA,PC,ABS,…

### Applications

- Home appliances
- Automotive parts
- Electronic components
- Construction materials

### Features

- Environment-friendly
- Low smoke
- High flame extinguishing speed
- Low usage in the final product (cost-effective)
- Suitable for various polymer grades (homopolymers and copolymers)

**Physical Properties**

| Property | Typical Value( Data should not be used for specification work) | Test Method |
|---|---|---|
| Density | 1.092 g/cm3 | ISO 1183 |
| Melt Flow Rate (230 °C/2.16 kg) | 10-55 g/10min | ISO 1133 |
| Flame Retardancy | V0 | UL94 with dosage of 8% |
| Water Content | 0.5 % | ISO 15512 |

**Processing Techniques**

This product has a great thermal stability and process ability, and can be used in low dosages to yield low smoke and low bromine content in a final product (<1 wt.% bromine with 8 wt.% usage of the masterbatch in the final product).It can be used in homo/co polymerized PP and with or without mineral fillers.

**Packaging**

Package options: 25kg bags

**Storage**

Keep tightly closed in a dry, cool and well-ventilated place in original packaging only. More information on storage is found in the Safety data sheet (SDS) for this product

**Safety**

PP-MB FR202 is non-toxic and is not expected to cause irritation to skin, eyes or lungs However, contact with stained hands on the skin of the face and eyes is avoided. Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product. For more information, please contact our Sales Team.