GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTALEN™ MB PO-DTBP 05 | Peroxide Masterbatch

Product Description

GRAFTALEN™ MB PO-DTBP 05 is a polyolefin-based masterbatch containing 5 wt % di-tert-butyl peroxide (DTBP), used to modify the melt flow of polyolefins, virgin or recycled.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Physical Form	granules	
Active peroxide content (CAS 110-05-4)	5 wt %	Internal Method
Half-life of the peroxide (0.1 M in benzene) 10 h / 1 h / 1 min	125 / 146 / 190 °C	Peroxide supplier data
Moisture (loss on drying) 105 °C	< 0.15 %	ASTM D6980

Applications

Increases the melt flow rate (controlled rheology) of PP and PP compounds, virgin or recycled.

Decreases the melt flow rate of PE and PE compounds (crosslinking / branching).

Processing & Dosage

GRAFTALEN™ MB PO-DTBP 05 is processable on most thermoplastic processing equipment.

Dosage depends on the application and the required result.

Rheology-control processing temperature: PE 170–250 °C; PP 180–290 °C.

Storage and Transportation

MSDS provided to recommend safe practices during use and storage. Improper storage conditions may cause degradation and affect the product's physical properties. For easy handling and storage, it is normally packed in 25 kg bags (50 bags per pallet).

Maximum storage temperature (Ts max): 30 °C. Self-accelerating decomposition temperature (SADT): above 80 °C.

Store in the original packaging in a cool, dry, well-ventilated area, away from heat sources, moisture and direct sunlight.

Shelf Life

36 months from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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