

# Preliminary Product data sheet

## Lucobatch® 1410-t3 MB-50

### Product description

Lucobatch® 1410-t3 MB-50 is a grey, slightly stabilized TPO masterbatch based on polyolefins. Lucobatch® 1410-t3 MB-50 (50 %) is mixed with 17% Lucofin® 1400HN and 33% PE-Plastomer MFR 2 to create the dedicated Lucofin® 1412-t3 membrane.

### Fire prevention

The final compound is provided with special halogen free fire retardants in order to pass test method 1-3 of European standard EN 1187. It should be taken into account that the configuration of the membrane and the roof construction, however, can have a decisive effect on the test results.

### Product properties

The final membrane has convincing properties on account of outstanding breaking strength, flexibility and is distinguished by good tenacity, high biaxial extensibility and flexibility even at low temperatures.

### Product advantages

- ▶ Simple processing in conventional plastic processing plants
  - ▶ Good bondability (hot air/hot wedge)
  - ▶ Good mechanical characteristics
  - ▶ Flexibility
  - ▶ Resistance to aging
  - ▶ Environmental friendliness
- Long-term experience of ECB/TPO

### Fields of application

Lucobatch® 1410-t3 MB-50 is mainly processed for roof and sealing sheeting, which are safely and durably bondable. Due to the fact that Lucobatch® 1410-t3 MB-50 contains only stabilizer against ageing, direct weathering of the membranes should be avoided.

### Processing

By mixing the Lucobatch® 1410-t3 MB-50 with 17% Lucofin® 1400HN and 33% PE-Plastomer MFR 2, it can be processed on all processing machines customary for thermoplastics. For extrusion, the following processing temperatures are recommended as standard values:

Profiles:	about 150°–200°C
Membranes / flat-sheet composites:	about 160°–230°C
Coatings:	about 160°–270°C

### Supply form

Granules: sacks of 25 kg each, other packaging forms on demand.

### Root resistance

Roof and sealing sheeting of Lucofin® is root penetration-resistant according to DIN 16726, EN 13948 and FLL and also rotting-resistant.

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### Chemical resistance

Lucofin® is resistant to water and aqueous solutions, to salts and to dilute acids and bases. Aliphatic, aromatic and halogen-substituted hydrocarbons can in some cases begin to swell or dissolve Lucofin®.

<b>Technical data</b>			
	Standard	Unit	Lucobatch 1410-t3 MB-50
Colour			Grey
MVR (190°C/2.16 kg)	ISO 1133	cm <sup>3</sup> /10min	1.5
These standard values are typical values and should not be regarded as specifications.			

**Note**  
 The information provided in this document is based on our product tests and present technical knowledge. It does not release purchasers from the responsibility of carrying out their receiving inspections. Neither does it imply any binding assurance of suitability of our products for a particular purpose. As LUCOBIT cannot anticipate or control the many different conditions under which this product may be processed and used this information does not relieve processors from their own tests and investigations. Any proprietary rights as well as existing legislation shall be observed.