

# Product data sheet Lucobatch® 1850 T10 T20 T100

## Product description

Lucobatch® 1850 T10/T20/T100 is a highly stabilized polyolefin-based TPO granules. Lucobatch® 1850 T10/T20/T100 is employed as a master batch. Blended with suitable polyolefins, tunnel membranes are built of Lucobatch® 1850 T10/ T20/T100.

## Product characteristics

Tunnel membranes which are built by blending Lucobatch® 1850 T10/T20/T100 have convincing properties on account of

- ▶ outstanding breaking strength, extension, flexibility and long-term resistance of at least
  - ▶ 10 years when using Lucobatch® 1850 T10
  - ▶ 20 years when using Lucobatch® 1850 T20
  - ▶ 100 years when using Lucobatch® 1850 T100
- ▶ 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 of at least 10 years
- ▶ Environmental friendliness
- ▶ Long-term experience of ECB/TPO

## Fields of application

Lucobatch® 1850 T10/T20/T100 is mainly employed as a master batch. Blended with suitable polyolefins, tunnel membranes are built of Lucobatch® 1850 T10/T20/T100. Such tunnel membranes are safely and permanently bondable under almost all weathering conditions.

## Processing

Lucobatch® 1850 T10/T20/T100 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 on demand.

## Chemical resistance

Lucobatch® 1850 T10/T20/T100 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 Lucobatch® 1850 T10/T20/T100.

Technical data					
	Standard	Unit	1850 T10	1850 T20	1850 T100
MVR 190 °C/2,16 kg	ISO 1133	cm <sup>3</sup> /10 min	2.2	2.5	4.1
Density (23 °C)	ISO 11383	g/cm <sup>3</sup>	1.29	1.29	1.29

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.