

PLASBLAK® PE2640



Black Polyethylene Masterbatch for Agricultural Film Applications

PLASBLAK PE2640 has been designed to offer high standards of performance compared to traditional agricultural film masterbatches. For example, when compared against standard 50% concentrates, PLASBLAK PE2640 offers improved levels of both opacifying power and weathering performance.

Recommended applications include premium and specialist mulch films and high quality silage film.

Performance Benefits

The main performance benefits are:

- Improved film surface quality
- Higher level of opacity (fig. 1)
- Greater tint strength
- Improved gloss levels
- Excellent weathering performance (fig. 2)
- Minimum influence on mechanical properties

This product is suitable for use in a wide range of plastics that come into contact with food. For more details regarding the food contact compliance in various European countries, please refer to the relevant Food Contact Statement that you can obtain through your usual Cabot representative.

Method of Addition

PLASBLAK PE2640 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

Addition Rate

The amount of masterbatch added depends on the performance requirements of the final application. Typical addition rates vary from 4% to 6% masterbatch in silage film and up to 10% in mulch film.

PLASBLAK® PE2640

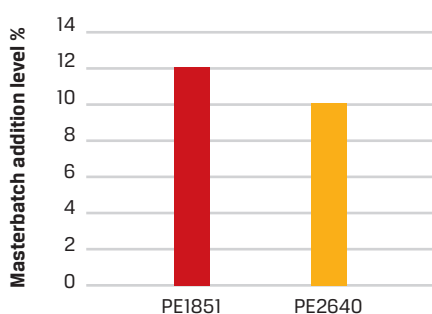
Physical Properties

| PROPERTY | VALUE | TEST METHOD (*) |
|-------------------|--------------------------------------------|---------------------|
| Carrier | polyethylene | - |
| Pigment | 40% carbon black | - |
| Compatibility | LDPE, LLDPE, HDPE, PP, ethylene copolymers | - |
| Density @ 23°C | 1250 kg/m ³ | CTM E023 |
| MFI 21,6 kg/190°C | 24 g/10 min | CTM E005 (ISO 1133) |

(*) Tests are performed according to Cabot Test Methods (CTM) based on international standards.

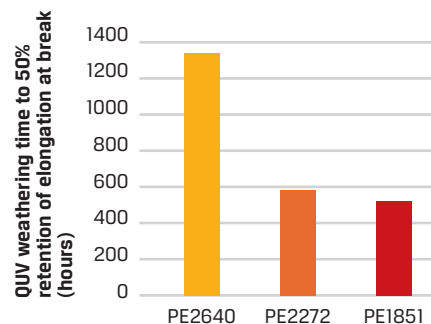
Quoted test results should not be used for specification purposes but are typical test values intended for guidance only.

Figure 1: comparison of opacifying properties



Masterbatch addition level required to produce 100% opaque 30 micron mulch film.

Figure 2: weathering data



Tests conducted on 100% opaque 30 micron mulch film.

Packaging

PLASBLAK PE2640 is supplied in regular pellet form packed in 25 kg bags. It should be stored in a dry place.

Recommended storage life: up to 1 year provided it is stored as directed.



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