

BLACK PEARLS[®] 4040 Specialty Carbon Black



Product Highlights

BLACK PEARLS 4040 specialty carbon black is suitable for use in applications requiring a balance of ultraviolet (UV) protection, weatherability performance, and covering power particularly in film and sheet applications where surface smoothness is desired.

Key Applications

BLACK PEARLS 4040 specialty carbon black can be used in a range of film and sheet applications:

- ◆ Mulch and silage film
- ◆ Irrigation pipe and tape
- ◆ General purpose film and sheet

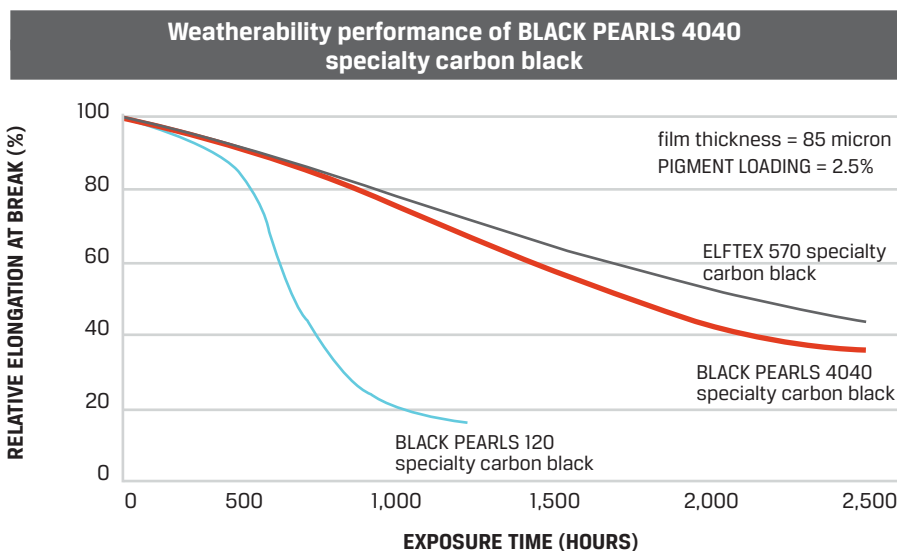
Performance Features

When exposed to sunlight and the associated ultraviolet (UV) rays, plastic film can degrade. BLACK PEARLS 4040 specialty carbon black can help protect plastic film, sheet, and pipe from UV degradation by absorbing UV rays. Its good covering power enables film & sheet applications to prevent sunlight transmission which is particularly important for applications such as agricultural film. In addition, its dispersion characteristics deliver good surface smoothness and low surface defects, helping to ensure high carbon black performance with respect to UV and covering power while preserving the mechanical integrity of the film.

BLACK PEARLS 4040 specialty carbon black used in film and sheet applications can help extend the useful life of the final product due to its:

- ◆ Good covering power, which prevents sunlight transmission in the film
- ◆ Long-term UV and weatherability protection
- ◆ Excellent surface smoothness and dispersion performance

BLACK PEARLS® 4040 Specialty Carbon Black



| Typical Properties | | |
|------------------------|--------|-------------|
| PROPERTY | VALUE | TEST METHOD |
| Iodine number (mg/g) | 82 | ASTM D-1510 |
| DAN (cc/100g) | 103 | ASTM D-2414 |
| 325 mesh residue (ppm) | 25 max | ASTM D-3265 |

The data in the table above are typical test values intended as guidance only, and are not product specifications. Product specifications are available upon request from your Cabot representative.

Packaging

- ◆ Product Form: Pellets
- ◆ Regional Availability: Global
- ◆ Bag Packaging Options: 20kg polyethylene
- ◆ Bulk Packaging Options: 800 kg FIBC

Storage Requirements: Store according to recommendation on the Material Safety Data Sheet for this product. This may be obtained from your Cabot representative or can be downloaded from our website at www.cabotcorp.com.



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