

Acktar MAXiBLACK

Super Black Polymer Film

**Acktar
MAXiBLACK**

New Super Black Polymer Film

Thinner & Blacker




Main features

MAXiBLACK™ delivers the lowest in-the-industry reflectance across the spectrum from the UV thru the VIS to SWIR together with a range of features and advantages

1% specular reflectance

- Wide band absorbance from 10nm to 10 microns
- Flexible, conformable, ultra-thin film
- Die cuts / kiss-cuts - any shape
- Broad operational temperature range
- Durable









**Acktar
MAXiBLACK**

World leader in Black Coatings

SPECIFICATION

| | |
|--|--|
| Working Temperatures | without adhesive: long term: -20 °C to +100°C, short term: up to +150 °C |
| with adhesive | long term: -20 °C to +100°C, short term: up to +150 °C |
| Coating Chemical Content | completely inorganic |
| Film Substrate | |
| material | PET film |
| Thickness | |
| Coated film | 50 micron typical |
| adhesive | 30 OR 60 microns typical |
| Abrasion Resistance | Moderate |
| Humidity Resistance | 85RH / 85°C >500hr |
| Storage and Shelf Life - adhesive limited | |
| storage conditions | indoor conditions (temperature approx. 21°C; RH approx. 50%) |
| standard shelf life | To obtain best performance, applied adhesive and remove protective within 12 months from shipment. |
| Cleanability | compressed dry air or nitrogen |
| Delivery Formats | standard - sheets 200 mm width |
| Additional Options | die-cuts, low outgassing adhesive |

* All data should be considered typical/representative only

SPECTRAL REFLECTION









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MAXiBLACK™

Acktar Black coating are the Gold standard in space and other demanding applications now available for mass produced optical applications.

Displays & imaging

Improve your image with better contrast and sensitivity.





Cameras




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is manufactured by innovative roll to roll thin film technology. The production site is equipped with up-to-date machinery allowing manufacturing of thousands of meters of Acktar's super black film.

Micro optics

Apertures and Baffles for DLP, DMD housing and other components. For miniaturize optics Acktar's MAXiBLACK delivers ideal solution.



Mobile Phones

Aperture stop, Barrels, IR sensors



When it comes to scaling down all dimensions while continuing to add new features Acktar new blackest black film became enabling technology

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Other Acktar coated films: Metal Vapor / Spectral Black

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