

MaxiBlack™

Acktar MaxiBlack™ coated Polyimide film delivers the lowest in-the-industry reflectance across the spectrum from UV thru VIS to SWIR.

Specifications

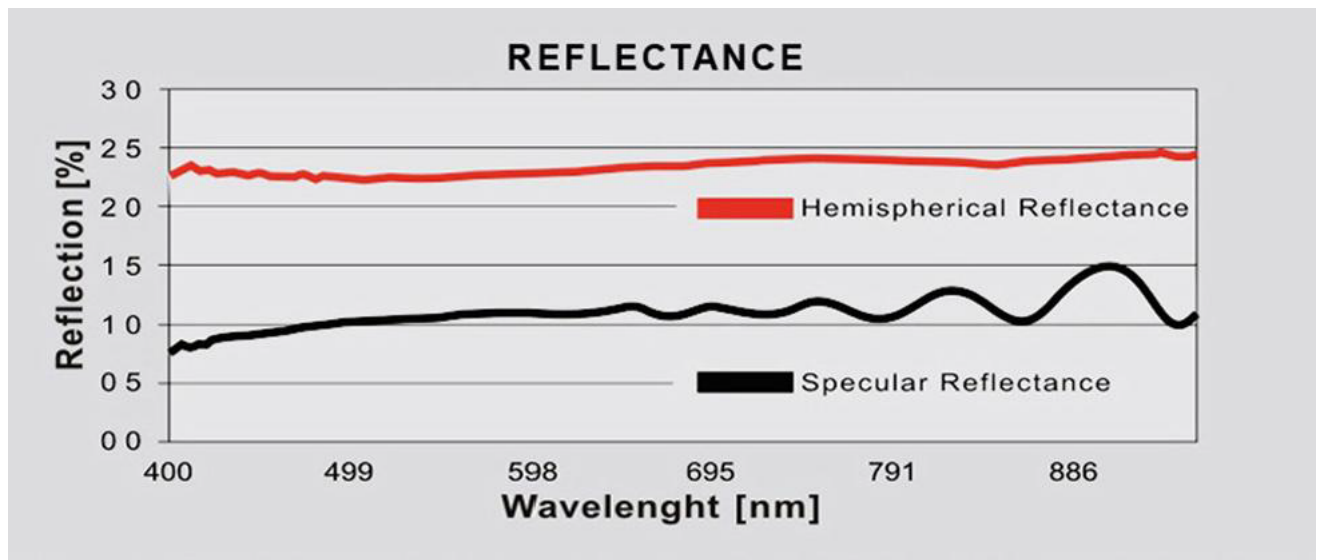
Protective Layer	To be removed
Black Coating	< 2-3 μm typical
Aluminum	< 1 μm typical
*Polymer film	~ 78 μm typical
*Adhesive Optional	30 or 60 μm typical

Parameter	Value
Coating Chemical Content	100% Completely inorganic – Metal based
Outgassing CVCM (%)	0.001
Humidity Resistance	85RH / 85°C >500hr
Abrasion resistance	Moderate
Working Temperatures	
Without adhesive	Long term: (-)250°C to (+)290°C, Short term: up to (+) 400°C
Storage and Shelf Life	
Storage conditions	Indoors (temperature approx. 21°C; RH approx. 50%)
Standard shelf life	To obtain best performance, apply *adhesive and remove protective within 12 months of shipment.
Cleanability	Compressed dry air or nitrogen
Delivery Formats	
Standard	Sheets or rolls 20 or 30 cm width length 10/20/50m
*Adhesive	With or without
Die-Cut	pre-cut according to drawing and supplied as tight-tolerance cut-to-shape labels
Certificates	ROHS, REACH, ISO 9001:2015, AS9100

*Adhesives are available in standard or low-gassing

Typical Properties

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*Detailed BRDF data is available.

*For additional information please contact us at info@acktar.com.

The information on this product is based on data obtained by our research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data and the results obtained from the use thereof. This information is furnished upon the condition that the recipient shall conduct tests to determine the suitability of the product for their particular application.

Limited Warranty: For a period of 6 months from the date of first sale, Acktar warrants this product(s) to be free from defects in manufacturing. Our obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse or inability to use this product(s). ACKTAR disclaims any and all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose.