

A Merger of Exotic Electro-Optics & LightWorks Optics

Variant of Standard Hard Carbon

DURABLE HARD CARBON COATING ON IG-6

Description

This durable anti-reflection coating is designed to withstand severe environmental conditions likely to be encountered in the military or industrial operational applications.

This coating will remain undamaged under conditions such as:

- Exposed exterior surfaces of thermal imaging systems used on Army tracked vehicles and man portable thermal night sights.
- Exposed optical surfaces of Air Force and Navy FLIR systems, including underwater applications.

The coating will show no evidence of deterioration when subjected to the salt spray fog test per MIL-C-675, severe abrasion and adhesion test per MIL-C-48497. Following this test, the coating shall be exposed to a relative humidity between 95 and 100 percent at a temperature of 120 degrees F \pm 4 degrees F for a period of 672 hours. After this test, the coating shall again be subjected to the severe abrasion and adhesion test of MIL-C-48497 in the sequence listed here and shall conform to the requirements of paragraphs: Physical, Environmental and Solubility, Blemishes, Spatter and Holes, and Surface Defects.

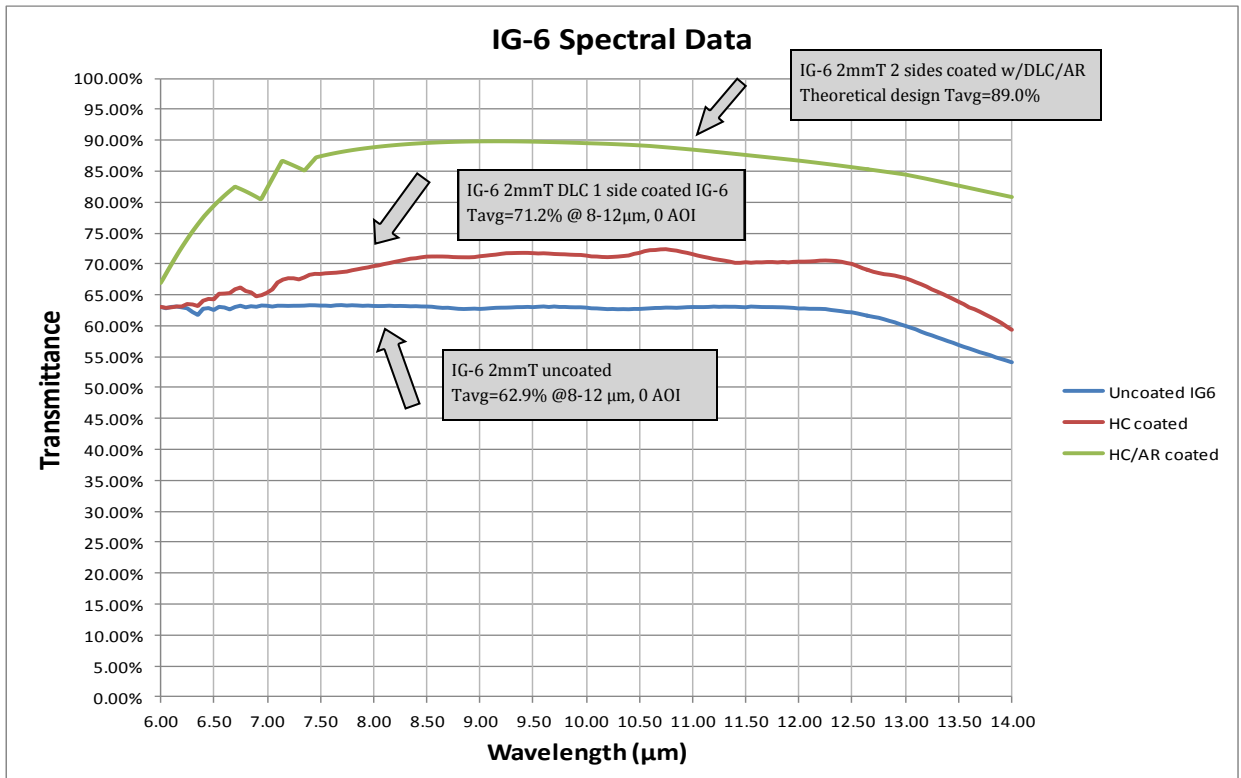
Environmental Performance

Coatings are produced to meet the following test criteria:

Adhesion—passed tape test per MIL-F-48616

Severe abrasion—survived 500 strokes of rubber eraser per MIL-F-48616

Humidity—survived 24 hours at 120°F, 95-100% RH per MIL-F-48616



ISO 9001

ISO 13485

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