

COATING PRODUCT #22100

ZINC SULFIDE DURABLE AR COATING

Description

This durable anti-reflection coating exhibits excellent transmittance over the 8-12 micron spectral region

Spectral Performance

Substrate: 0.040" ZnS, 22100 one side
22101 the other side.

Spectral region: 8.0-11.5 microns

Product Specifications:

Tav ≥ 95% (through both surfaces)
Rav ≤ 1% (per surface)

Typical Performance:

Tav ≥ 96% (through both surfaces)
Rav ≤ 0.5% (per surface)

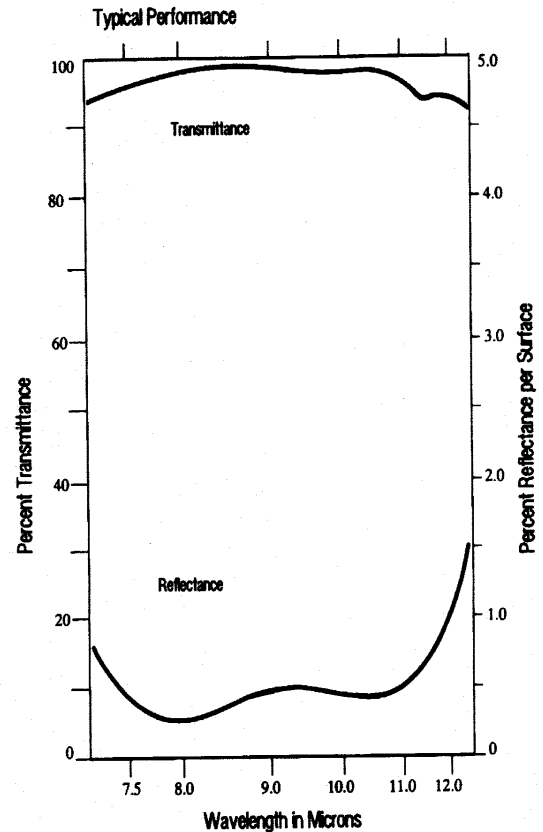
Quality Standards

This coating shall meet the quality requirements of MIL-C-675, MIL-STD-810, MIL-M-13508, MIL-F-48616, and MIL-C-48497 where applicable.

Environmental Performance

Coatings are produced to meet the following test criteria:

| Test Available | Test Method |
|-------------------------------------|--|
| Adhesion | Cellulose tape test |
| Severe Abrasion | 20 cycle eraser test |
| Humidity | 24 hours at 120° F, 95-100% RH Or 10 days at 120° F, 95-100% RH |
| Salt Spray (fog) | ASTM B117-73 for 24 hours |
| HCL Durability (missile exhaust) | per customer specifications |
| Rain Erosion Resistance | standard test available |



Coatings are tested to ensure specification compliance and certification can be provided. Customer specified lot-testing is available upon request. For additional information please contact us at 951-926-7666 or sales@exotic-eo.com.



ISO 9001
AS 9100
ISO 13485