COATING PRODUCT #34206

SILICON BROADBAND AR COATING

Description
This durable anti-reflection coating exhibits excellent transmittance over the 3.5 - 5 micron spectral region

Spectral Performance
Substrate: 0.040” Si, Coated both sides
Spectral region: 3.5 - 5 microns

Product Specifications:
Tav ≥ 98% (through both surfaces)
Rav ≤ 0.5% (per surface)

Typical Performance:
Tav ≥ 99% (through both surfaces)
Rav ≤ 0.2% (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:

<table>
<thead>
<tr>
<th>Test Available</th>
<th>Test Method</th>
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</thead>
<tbody>
<tr>
<td>Adhesion</td>
<td>Cellulose tape test</td>
</tr>
<tr>
<td>Severe Abrasion</td>
<td>20 cycle eraser test</td>
</tr>
<tr>
<td>Humidity</td>
<td>24 hours, 10 days or 28 days at 120° F, 95-100% RH</td>
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<tr>
<td>Salt Spray (fog)</td>
<td>ASTM B117-73 for 24 hours</td>
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<tr>
<td>Salt Solubility</td>
<td>24 hour salt solution</td>
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</tbody>
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Coatings are tested to ensure specification compliance and certification can be provided. Customer specified lot-testing is available upon request. Please contact an EEO sales engineer for additional information.