

High Efficiency Anti Reflection 8μm-12μm

UCS_Ge_01

Productnumber: 2Ge000001

This coating is the standard anti-reflection coating for use in the 8-12μm waveband. Combining high transmission, low reflection and moderate environmental resistance, this coating is best suited for internal surfaces (I.S.) applications.
This coating contains no radioactive material.



Spectral - additional

| | | |
|------------------------|--------------------------------|--|
| Transmission (Average) | >98% 8μm-12μm, >95% 8μm-14μm | For a 1mm thick witness piece, coated both faces UCS_Ge_01. |
| Reflection (Average) | <0.5% 8μm-12μm, <1.0% 8μm-14μm | Per Surface, for a 1mm thick witness piece, coated with UCS_Ge_01. |
| Angle of Incidence | 0°-20° | |

Environmental Properties

| | |
|-----------------|---|
| Adhesion | MIL-C-48497A, 08/09/1980, para 4.5.3.1 |
| Adhesion Remark | Tape Test |
| Humidity | MIL-C-48497A, 08/09/1980, para 4.5.3.2 |
| Humidity Remark | 49°C, 95-100% relative humidity 24Hrs |
| Abrasion | MIL-C-48497A, 08/09/1980, para 4.5.3.3 |
| Abrasion Remark | Moderate, 50 strokes with a cheesecloth |

Sizes

Up to 275mm diameter

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