

Schott S8008G Contrast Enhancement Filter

Category : Ceramic , Glass , Filter

Material Notes:

Contrast Enhancement Filter Information Provided by SCHOTT North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-S8008G-Contrast-Enhancement-Filter.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 2.74 g/cc | 0.0990 lb/in ³ | |

| Thermal Properties | Metric | English | Comments |
|--------------------------------|--|--|----------|
| CTE, linear | 8.90 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 4.94 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | |
| | @Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$ | @Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$ | |
| Transformation Temperature, Tg | 487 $\text{Å}^\circ\text{C}$ | 909 $\text{Å}^\circ\text{F}$ | |
| Softening Point | 671 $\text{Å}^\circ\text{C}$ | 1240 $\text{Å}^\circ\text{F}$ | |
| Working Point | 909 $\text{Å}^\circ\text{C}$ | 1670 $\text{Å}^\circ\text{F}$ | |
| Annealing Point | 503 $\text{Å}^\circ\text{C}$ | 937 $\text{Å}^\circ\text{F}$ | |
| Strain Point | 475 $\text{Å}^\circ\text{C}$ | 887 $\text{Å}^\circ\text{F}$ | |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-------------------------|
| Refractive Index | 1.548 | 1.548 | n_{d} , Sodium |

| Descriptive Properties | Value | Comments |
|---|-----------|----------|
| Color | Green | |
| Half Bandwidth (nm) | <28 | |
| Transmission at Peak (%) | 10.5-12.5 | |
| Wavelength of Maximum Transmission (nm) | 542-546 | |

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