

**TABLE X-4****Ultraviolet Transmissivity of Fabrics***

| MATERIAL | TRANSMISSIVITY, % |
|--------------------------|--------------------------|
| Batiste, White (Muslin) | 50 |
| Cotton Voile | 37-43 |
| Kapron | 31 |
| Crepe de Chine (1. Grey) | 32.5 |
| Kapron and Nylon | 26.6 |
| Nylon | 25-27 |
| Silk Stockings | 25 |
| Cotton Stockings | 18 |
| Stockinet | 14-16.5 |
| Linen, White, Coarse | 12 |
| Rayon Stockings | 10.5 |
| Satin, Beige | 10 |
| Linen Cambric | 8-9.5 |
| Rayon (Linen Type) | 3.8-5.3 |
| Wool Stockinet | 1.4-2.8 |
| Flannelette | 0.3 |
| Poplin | 0 |

*Data based on Morikofer,¹⁴⁶ Pfeiderer¹⁴⁷ and Voznesenskaia¹⁴⁸

RPAMS maintains compliance to 40 CFR 156.10(a)(5) and FIFRA section 25(c)(3) as applicable to germicidal devices.

TABLE X-6
Reflectance of 253.7 nm Radiation
from Various Surfaces (Sumner¹⁴⁹)

| MATERIAL | REFLECTANCE*, % |
|------------------------|------------------------|
| Aluminum, Etched | 88 |
| Aluminum Foil | 73 |
| Chromium | 45 |
| Nickel | 38 |
| Stainless Steel | 20-30 |
| Silver | 22 |
| Tin-plated Steel | 28 |
| White Wall Plaster | 40-60 |
| White Paper | 25 |
| White Cotton | 30 |
| White Oil Paints | 5-10 |
| White Porcelain Enamel | 5 |
| Glass | 4 |
| Water Paints | 10-30 |

*Values obtained at normal incidence. The percentage reflectance increases rapidly at angles greater than 75%. 12/29/2020

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