



General Chemical And Physical Properties:

Chemical composition:

Silicon Dioxide (SiO₂) = 72.20 %
Sodium Oxide (Na₂O) = 14.30 %
Potassium Oxide (K₂O) = 1.20 %
Calcium Oxide (CaO) = 6.40 %
Magnesium Oxide (MgO) = 4.30 %
Aluminium Oxide (Al₂O₃) = 1.20 %
Ferric Oxide (Fe₂O₃) = 0.03 %
Sulfur Trioxide (SO₃) = 0.30 %
Mean Coefficient of Expansion : $90.6 \times 10^{-7} / \text{C}^\circ$ (20-300° C)
Strain Point log n 14.5 : 513° C
Softening Littleton Point: 720° C

Reflectance second surface mirror:

Total solar reflection (M = 2)
Proportion of normally incident solar energy reflected from a second surface mirror when solar elevation is 30° = 95.3 %

Light transmission:

Total solar transmission (M = 2)
Proportion of normally incident solar energy transmitted when solar elevation is 30° = 91.5 %

Refractive index:

A I = 546.07 nm = 1.5171
Specific gravity = 2.479

ERIE ELECTROVERRE SA
Route de Fribourg 22
P.O. Box 192
1680 Romont -Switzerland

tel: ++41 (0) 26 6 519 519
fax: ++41 (0) 26 6 519 520
mail to: office@eevr.ch
homepage: <http://www.eevr.ch>