

Zero Expansion Glass - ZERODUR®

Custom sizes and
specifications are available

OPTICAL

Refractive Index at n_e	1.5447
Refractive Index $n_F - n_C$	0.00975
Thermal Coefficient of Refractive Index (relative) at 0.5461 microns for 0/+20 deg C	14.3×10^{-6}
Transmission Range, microns	0.5-2.5

THERMAL

Thermal Linear Expansion, deg C ₋₁ for +20/+300 deg C	0.05×10^{-6}
Thermal Conductivity, W/(m•deg C) for +80/+100 deg C	1.64
Specific Heat Capacity, J/(kg•deg C)	0.821×10^3

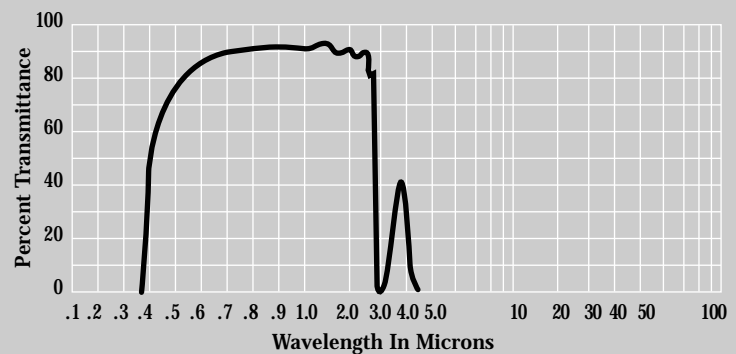
MECHANICAL

Density, g/cm ³	2.53
Young Modulus (E), Pa	9.1×10^{10}
Poisson Ratio	0.24

Refr. Index n vs. Wavelength λ

WAVELENGTH, MICRONS	REFRACTIVE INDEX
0.4358	1.5544
0.4800	1.5497
0.4861	1.5491
0.5461	1.5447
0.5876	1.5424
0.6438	1.5399
0.6563	1.5394

Transmittance $\tau(\lambda)$ vs. Wavelength λ



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