

## Common Properties of Single-clad Fibers –

Core material	Polystyrene
Core refractive index	1.60
Density	1.05
Cladding material	Acrylic
Cladding refractive index	1.49
Trapping efficiency, round fibers	3.44% minimum
Trapping efficiency, square fibers	4.4%
No. of H atoms per cc (core)	$4.82 \times 10^{22}$
No. of C atoms per cc (core)	$4.85 \times 10^{22}$
No. of electrons per cc (core)	$3.4 \times 10^{23}$
Operating temperature	-20°C to +50°C
Vacuum compatible	Yes

## Common Properties of Multi-clad Fibers –

Second cladding material	Fluor-acrylic
Refractive index	1.42
Numerical aperture	0.74
Trapping efficiency, round fibers	5.6% minimum
Trapping efficiency, square fibers	7.3%