

<b>IRG206</b>	<b>Se60As40</b>	$n_{10.6} = 2.7759$	$u_{10.6} = 145.57$	$n_{8000} - n_{12500} = 0.01220$

Refractive Indices		
n	2000	2.8199
n	3000	2.8015
n	4000	2.7945
n	5000	2.7908
n	6000	2.7880
n	7000	2.7855
n	8000	2.7832
n	9000	2.7805
n	10000	2.7777
n	11000	2.7749
n	12000	2.7721
n	12500	2.7710
n	13000	2.7702
n	14000	2.7696

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
Dw	1
DA	1

Thermal Properties	
Tg(°C)	180
Ts(°C)	217
$\alpha_{40/55^{\circ}\text{C}} (10^{-7}/\text{K})$	205
$\alpha_{20/120^{\circ}\text{C}} (10^{-7}/\text{K})$	213
Cp(J/gK)	0.24

Mechanical Properties	
HK(20°C , kgf /mm <sup>2</sup> )	118
E(GPa)	18.4
G(GPa)	7.1
$\mu$	0.30

Constants of Dispersion Formula	
A	2.7857600E+00
B	1.5197700E-01
C	-6.3834800E-02
D	-1.3008300E-05
E	-1.2995200E-06
F	4.7257600E-09

Temperature Coefficients of Refractive Index		
Temperature (°C)	$\lambda(\text{nm})$	dn/dt relative (10 <sup>-6</sup> / °C)
-40 ~ 80	3000	37
-40 ~ 80	5000	34
-40 ~ 80	8000	32
-40 ~ 80	10000	32
-40 ~ 80	12000	32

Other Properties	
$\rho$ ( g/cm <sup>3</sup> )	4.63
$\epsilon_r$	

Transmittance	
$\lambda(\text{nm})$	$\tau(2\text{mm})$
20000	
19000	0.071
18000	0.409
17000	0.556
16000	0.605
15000	0.589
14000	0.596
13000	0.641
12500	0.662
12000	0.670
11000	0.673
10000	0.672
9500	0.671
9000	0.668
8500	0.670
8000	0.667
7500	0.665
7000	0.660
6500	0.646
6000	0.659
5500	0.661
5000	0.659
4500	0.658
4000	0.657
3500	0.652
3000	0.650
2500	0.651
2000	0.658
1500	0.641
1000	0.618
800	0.040
600	
400	
300	

红外透过率(2mm)

