

$n_{10.6} = 2.5837$	$\nu_{10.6} = 86.07$	$n_g - n_{12.5} = 0.0184$
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Refractive Indices	
λ (μm)	n_λ
2.0	2.6261
3.0	2.6118
4.0	2.6060
5.0	2.6024
6.0	2.5993
7.0	2.5963
8.0	2.5933
9.0	2.5899
10.0	2.5862
11.0	2.5820
12.0	2.5774
12.5	2.5749
13.0	2.5723
14.0	2.5666

Constants of Dispersion Formula	
A	2.6027335E+00
B	9.4148223E-02
C	5.0288851E-03
D	-1.6360399E-04
E	-1.1188941E-07
F	-3.3257266E-11

Other Properties	
ρ (g/cm ³)	4.71
ϵ_r	10

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D _W	2
D _A	1
R _{OH} (S)	4
RP(S)	1

Thermal Properties	
T _g (°C)	266
T _s (°C)	301
$\alpha_{-60/120^\circ\text{C}}$ (10 ⁻⁷ /K)	162
$\alpha_{20/120^\circ\text{C}}$ (10 ⁻⁷ /K)	164
C _p (J/g·K)	

Mechanical Properties	
HK (10 ⁷ Pa)	137
E (GPa)	19.8
G (GPa)	7.7
μ	0.29

Temperature Coefficients of Refractive Index (-40 ~ 80°C) (×10 ⁻⁶ /°C)	
λ (μm)	dn _{rel} /dt
3	42
5	40
8	39
10	39
12	39

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	159
-40/-30	160
-30/-20	161
-20/-10	162
-10/0	162
0/10	162
10/20	163
20/30	163
30/40	163
40/50	163
50/60	163
60/70	163
70/80	163
80/90	164
90/100	164
100/110	164
110/120	164
120/130	164
130/140	164
140/150	164
150/160	165

Internal Transmittance	
λ (μm)	τ 2mm
17.0	0.377
16.0	0.785
15.0	0.923
14.0	0.950
13.0	0.811
12.5	0.799
12.0	0.911
11.0	0.988
10.0	0.997
9.5	0.998
9.0	0.998
8.5	0.998
8.0	0.995
7.5	0.998
7.0	0.998
6.5	0.999
6.0	0.998
5.5	0.998
5.0	0.998
4.5	0.991
4.0	0.998
3.5	0.998
3.0	0.996
2.5	0.994
2.0	0.992
1.5	0.993
1.0	0.977

Constants of dn/dt	
D ₀	3.47396E-05
D ₁	-7.61268E-09
D ₂	2.63506E-10
E ₀	1.45448E-05
E ₁	4.85455E-08
λ_{TK}	8.33183E-01

