

$n_{10.6} = 2.6075$	$\nu_{10.6} = 154.57$	$n_8 - n_{12.5} = 0.0104$
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Refractive Indices	
λ (μm)	n_λ
2.0	2.6413
3.0	2.6271
4.0	2.6219
5.0	2.6190
6.0	2.6168
7.0	2.6149
8.0	2.6130
9.0	2.6110
10.0	2.6089
11.0	2.6066
12.0	2.6040
12.5	2.6026
13.0	2.6011
14.0	2.5979

Constants of Dispersion Formula	
A	2.6178540E+00
B	8.7753077E-02
C	2.7480087E-02
D	-9.7270254E-05
E	1.2742318E-08
F	-2.4376453E-10

Other Properties	
ρ (g/cm ³)	4.49
ϵr	

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

Thermal Properties	
T _g (°C)	228
T _s (°C)	281
$\alpha_{-60/120^\circ\text{C}}$ (10 ⁻⁷ /K)	206
$\alpha_{20/120^\circ\text{C}}$ (10 ⁻⁷ /K)	209
C _p (J/g·K)	0.37

Mechanical Properties	
HK (10 ⁷ Pa)	126
E (GPa)	15.6
G (GPa)	6.1
μ	0.29

Temperature Coefficients of Refractive Index (-40 ~ 80°C) (×10 ⁻⁶ /°C)	
λ (μm)	dn _{rel} /dt
3	18
5	17
8	17
10	17
12	

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	199
-40/-30	201
-30/-20	203
-20/-10	204
-10/0	205
0/10	205
10/20	206
20/30	206
30/40	207
40/50	208
50/60	208
60/70	209
70/80	209
80/90	209
90/100	210
100/110	211
110/120	211
120/130	213
130/140	214
140/150	214
150/160	215

Internal Transmittance	
λ (μm)	τ 2mm
17.0	0.526
16.0	0.865
15.0	0.912
14.0	0.902
13.0	0.853
12.5	0.873
12.0	0.941
11.0	0.983
10.0	0.990
9.5	0.996
9.0	0.998
8.5	0.998
8.0	0.992
7.5	0.996
7.0	0.997
6.5	0.998
6.0	0.998
5.5	0.996
5.0	0.985
4.5	0.982
4.0	0.996
3.5	0.996
3.0	0.995
2.5	0.996
2.0	0.994
1.5	0.992
1.0	0.990

Constants of dn/dt	
D ₀	1.45032E-05
D ₁	3.49366E-08
D ₂	2.49190E-10
E ₀	1.32518E-05
E ₁	2.46745E-08
λ_{TK}	9.73196E-01

