

P-SF67 907214.424

$n_d = 1.90680$	$v_d = 21.40$	$n_F - n_C = 0.042374$
$n_e = 1.91675$	$v_e = 21.23$	$n_{F'} - n_{C'} = 0.043191$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.83479
$n_{1970.1}$	1970.1	1.84280
$n_{1529.6}$	1529.6	1.85235
$n_{1060.0}$	1060.0	1.86543
n_t	1014.0	1.86727
n_s	852.1	1.87574
n_r	706.5	1.88833
n_C	656.3	1.89480
$n_{C'}$	643.8	1.89666
$n_{632.8}$	632.8	1.89841
n_D	589.3	1.90644
n_d	587.6	1.90680
n_e	546.1	1.91675
n_F	486.1	1.93717
$n_{F'}$	480.0	1.93985
n_g	435.8	1.96401
n_h	404.7	
n_i	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.933	0.840
2325	0.946	0.870
1970	0.984	0.960
1530	0.994	0.985
1060	0.994	0.985
700	0.983	0.958
660	0.981	0.952
620	0.978	0.946
580	0.971	0.930
546	0.954	0.890
500	0.901	0.770
460	0.810	0.590
436	0.707	0.420
420	0.574	0.250
405	0.364	0.080
400	0.276	0.040
390	0.090	
380	0.011	
370		
365		
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.1998
$P_{C,s}$	0.4498
$P_{d,C}$	0.2832
$P_{e,d}$	0.2348
$P_{g,F}$	0.6334
$P_{i,h}$	
$P'_{s,t}$	0.1960
$P'_{C',s}$	0.4843
$P'_{d,C'}$	0.2349
$P'_{e,d}$	0.2303
$P'_{g,F'}$	0.5595
$P'_{i,h}$	

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"

$\Delta P_{C,t}$	0.0031
$\Delta P_{C,s}$	-0.0030
$\Delta P_{F,e}$	0.0049
$\Delta P_{g,F}$	0.0256
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.97464225
B_2	0.467095921
B_3	2.43154209
C_1	0.0145772324
C_2	0.0669790359
C_3	157.444895

Constants of Dispersion dn/dT	
D_0	$4.82 \cdot 10^{-7}$
D_1	$1.15 \cdot 10^{-8}$
D_2	$-9.95 \cdot 10^{-12}$
E_0	$1.15 \cdot 10^{-6}$
E_1	$1.65 \cdot 10^{-9}$
$\lambda_{TK} [\mu m]$	0.315

Color Code	
λ_{80}/λ_5	48/39*
(*= λ_{70}/λ_5)	

Remarks
suitable for precision molding

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	6.2
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	7.4
$T_g [^\circ C]$	539
$T_{10}^{13.0} [^\circ C]$	546
$T_{10}^{7.6} [^\circ C]$	663
$c_p [J/(g \cdot K)]$	0.530
$\lambda [W/(m \cdot K)]$	0.790
$AT [^\circ C]$	601
$\rho [g/cm^3]$	4.24
$E [10^3 N/mm^2]$	90
μ	0.248
$K [10^{-6} mm^2/N]$	2.96
$HK_{0.1/20}$	440
HG	3
Abrasion Aa	309
CR	1
FR	0
SR	1
AR	1.3
PR	1
SR-J	1
WR-J	1

Temperature Coefficients of Refractive Index						
[$^\circ C$]	$\Delta n_{rel}/\Delta T [10^{-6}/K]$			$\Delta n_{abs}/\Delta T [10^{-6}/K]$		
	1060.0	e	g	1060.0	e	g
-40/ -20	2.6	5.5	10.1	0.1	2.9	7.4
+20/ +40	2.8	6.3	11.7	1.2	4.6	10.0
+60/ +80	3.1	7.0	13.0	1.9	5.7	11.7