

P-LAF37 755457.399

$n_d = 1.75550$	$v_d = 45.66$	$n_F - n_C = 0.016546$
$n_e = 1.75944$	$v_e = 45.42$	$n_{F'} - n_{C'} = 0.016722$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.71338
$n_{1970.1}$	1970.1	1.72058
$n_{1529.6}$	1529.6	1.72830
$n_{1060.0}$	1060.0	1.73669
n_t	1014.0	1.73770
n_s	852.1	1.74198
n_r	706.5	1.74775
n_C	656.3	1.75054
$n_{C'}$	643.8	1.75132
$n_{632.8}$	632.8	1.75206
n_D	589.3	1.75535
n_d	587.6	1.75550
n_e	546.1	1.75944
n_F	486.1	1.76708
$n_{F'}$	480.0	1.76804
n_g	435.8	1.77633
n_h	404.7	1.78414
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	0.480	0.160
2325	0.752	0.490
1970	0.946	0.870
1530	0.990	0.976
1060	0.998	0.996
700	0.998	0.996
660	0.998	0.995
620	0.998	0.994
580	0.998	0.994
546	0.998	0.994
500	0.996	0.991
460	0.993	0.983
436	0.990	0.975
420	0.987	0.967
405	0.982	0.955
400	0.980	0.950
390	0.971	0.930
380	0.959	0.900
370	0.935	0.845
365	0.919	0.810
350	0.837	0.640
334	0.650	0.340
320	0.276	0.040
310	0.040	
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2591
$P_{C,s}$	0.5170
$P_{d,C}$	0.2999
$P_{e,d}$	0.2379
$P_{g,F}$	0.5590
$P_{i,h}$	
$P'_{s,t}$	0.2563
$P'_{C',s}$	0.5585
$P'_{d,C'}$	0.2498
$P'_{e,d}$	0.2354
$P'_{g,F'}$	0.4957
$P'_{i,h}$	

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

$\Delta P_{C,t}$	0.0145
$\Delta P_{C,s}$	0.0077
$\Delta P_{F,e}$	-0.0022
$\Delta P_{g,F}$	-0.0080
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
B_1	1.76003244
B_2	0.248286745
B_3	1.15935122
C_1	0.00938006396
C_2	0.0360537464
C_3	86.4324693

Constants of Dispersion dn/dT	
D_0	
D_1	
D_2	
E_0	
E_1	
λ_{TK} [μm]	

Color Code	
λ_{80}/λ_5	37/31
(* = λ_{70}/λ_5)	

Remarks	
suitable for precision molding	

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/\text{K}$]	6.3
$\alpha_{+20/+300^\circ\text{C}}$ [$10^{-6}/\text{K}$]	7.8
T_g [$^\circ\text{C}$]	506
$T_{10}^{13.0}$ [$^\circ\text{C}$]	510
$T_{10}^{7.6}$ [$^\circ\text{C}$]	593
c_p [$\text{J}/(\text{g}\cdot\text{K})$]	0.640
λ [$\text{W}/(\text{m}\cdot\text{K})$]	0.900
AT [$^\circ\text{C}$]	546
ρ [g/cm^3]	3.99
E [$10^3 \text{N}/\text{mm}^2$]	115
μ	0.296
K [$10^{-6} \text{mm}^2/\text{N}$]	2.26
$HK_{0.1/20}$	697
HG	
Abrasion Aa	67
CR	0
FR	0
SR	0
AR	0
PR	0
SR-J	4
WR-J	1

Temperature Coefficients of Refractive Index						
[$^\circ\text{C}$]	$\Delta n_{\text{rel}}/\Delta T$ [$10^{-6}/\text{K}$]			$\Delta n_{\text{abs}}/\Delta T$ [$10^{-6}/\text{K}$]		
	1060.0	e	g	1060.0	e	g
-40/ -20						
+20/ +40						
+60/ +80						