

## 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		
	$\lambda$ [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 $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (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 $\Delta P$ 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 $dn/dT$	
$D_0$	
$D_1$	
$D_2$	
$E_0$	
$E_1$	
$\lambda_{TK}$ [ $\mu m$ ]	

Color Code	
$\lambda_{80}/\lambda_5$	37/31
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	
suitable for precision molding	

Other Properties	
$\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]	6.3
$\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ]	7.8
$T_g$ [ $^\circ C$ ]	506
$T_{10}^{13.0}$ [ $^\circ C$ ]	510
$T_{10}^{7.6}$ [ $^\circ C$ ]	593
$c_p$ [J/(g·K)]	0.640
$\lambda$ [W/(m·K)]	0.900
AT [ $^\circ C$ ]	546
$\rho$ [g/cm <sup>3</sup> ]	3.99
E [ $10^3$ N/mm <sup>2</sup> ]	115
$\mu$	0.296
K [ $10^{-6}$ mm <sup>2</sup> /N]	2.26
HK <sub>0.1/20</sub>	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						
[ $^\circ C$ ]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
	1060.0	e	g	1060.0	e	g
-40/ -20						
+20/ +40						
+60/ +80						