

P-SK60 610579.308

$n_d = 1.61035$	$v_d = 57.90$	$n_F - n_C = 0.010541$
$n_e = 1.61286$	$v_e = 57.66$	$n_{F'} - n_{C'} = 0.010628$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.57831
$n_{1970.1}$	1970.1	1.58450
$n_{1529.6}$	1529.6	1.59102
$n_{1060.0}$	1060.0	1.59762
n_t	1014.0	1.59836
n_s	852.1	1.60140
n_r	706.5	1.60530
n_C	656.3	1.60714
$n_{C'}$	643.8	1.60765
$n_{632.8}$	632.8	1.60813
n_D	589.3	1.61026
n_d	587.6	1.61035
n_e	546.1	1.61286
n_F	486.1	1.61768
$n_{F'}$	480.0	1.61828
n_g	435.8	1.62340
n_h	404.7	1.62815
n_i	365.0	1.63627
$n_{334.1}$	334.1	1.64506
$n_{312.6}$	312.6	1.65317
$n_{296.7}$	296.7	1.66061
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.693	0.400
2325	0.831	0.630
1970	0.959	0.900
1530	0.993	0.983
1060	0.999	0.998
700	0.999	0.997
660	0.998	0.996
620	0.998	0.996
580	0.999	0.998
546	0.999	0.998
500	0.999	0.997
460	0.998	0.995
436	0.998	0.994
420	0.998	0.994
405	0.997	0.993
400	0.997	0.992
390	0.995	0.988
380	0.993	0.983
370	0.990	0.974
365	0.987	0.967
350	0.967	0.920
334	0.905	0.780
320	0.746	0.480
310	0.480	0.160
300	0.150	0.005
290	0.010	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2887
$P_{C,s}$	0.5438
$P_{d,C}$	0.3049
$P_{e,d}$	0.2384
$P_{g,F}$	0.5427
$P_{i,h}$	0.7702
$P'_{s,t}$	0.2863
$P'_{C',s}$	0.5876
$P'_{d,C'}$	0.2542
$P'_{e,d}$	0.2365
$P'_{g,F'}$	0.4819
$P'_{i,h}$	0.7639

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0128
$\Delta P_{C,s}$	0.0059
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	-0.0037
$\Delta P_{i,g}$	-0.0177

Constants of Dispersion Formula	
B_1	1.40790442
B_2	0.143381417
B_3	1.16513947
C_1	0.00784382378
C_2	0.0287769365
C_3	105.373397

Constants of Dispersion dn/dT	
D_0	$2.41 \cdot 10^{-6}$
D_1	$9.52 \cdot 10^{-9}$
D_2	$-8.08 \cdot 10^{-12}$
E_0	$4.72 \cdot 10^{-7}$
E_1	$6.22 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.193

Color Code	
λ_{80}/λ_5	33/29
(* = λ_{70}/λ_5)	

Remarks	
suitable for precision molding	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	7.1
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	8.9
$T_g [^\circ C]$	507
$T_{10}^{13.0} [^\circ C]$	509
$T_{10}^{7.6} [^\circ C]$	606
$c_p [J/(g \cdot K)]$	0.760
$\lambda [W/(m \cdot K)]$	1.130
$AT [^\circ C]$	547
$\rho [g/cm^3]$	3.08
$E [10^3 N/mm^2]$	99
μ	0.253
$K [10^{-6} mm^2/N]$	2.04
$HK_{0.1/20}$	601
HG	
$Abrasion Aa$	86
CR	3
FR	5
SR	53.4
AR	2.3
PR	3.3
$SR-J$	4
$WR-J$	3

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	3.0	3.7	4.3	0.9	1.5	2.1
+20/ +40	2.9	3.6	4.3	1.5	2.3	2.9
+60/ +80	2.9	3.8	4.5	1.8	2.7	3.4