

## 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		
	$\lambda$ [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 $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (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 $\Delta P$ 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	
$\lambda_{80}/\lambda_5$	33/29
(* = $\lambda_{70}/\lambda_5$ )	

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
$\mu$	0.253
$K [10^{-6} mm^2/N]$	2.04
$HK_{0.1/20}$	601
<b>HG</b>	
<b>Abrasion Aa</b>	86
<b>CR</b>	3
<b>FR</b>	5
<b>SR</b>	53.4
<b>AR</b>	2.3
<b>PR</b>	3.3
<b>SR-J</b>	4
<b>WR-J</b>	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