

144178	nd	2.14352	νd	17.8	nF-nC	0.06435
K-PSFn214	ne	2.15858	νe	17.6	nF'-nC'	0.06576

屈折率 Refractive Indices		
nt	1014.0	2.08624
nA'	768.2	2.10715
nr	706.5	2.11611
nC	656.3	2.12560
nC'	643.9	2.12835
nD	589.3	2.14297
nd	587.6	2.14352
ne	546.1	2.15858
nF	486.1	2.18995
nF'	480.0	2.19411
ng	435.8	2.23233
nG'	434.1	
nh	404.7	2.27319
ni	365.0	

部分分散及び部分分散比 Partial Dispersions and Relative Partial Dispersions			
nC-nt	nC-nA'	nd-nC	ne-nC
0.03936	0.01845	0.01792	0.03298
$\theta_{C,t}$	$\theta_{C,A'}$	$\theta_{d,C}$	$\theta_{e,C}$
0.612	0.287	0.278	0.513
ng-nd	ng-nF	nh-ng	ni-ng
0.08881	0.04238	0.04086	
$\theta_{g,d}$	$\theta_{g,F}$	$\theta_{h,g}$	$\theta_{i,g}$
1.380	0.659	0.635	
nC'-nt	ne-nC'	nF'-ne	ni-nF'
0.04211	0.03023	0.03553	
$\theta'_{C,t}$	$\theta'_{e,C'}$	$\theta'_{F',e}$	$\theta'_{i,F'}$
0.640	0.460	0.540	

内部透過率 τ Internal Transmittance		
λ nm	3mm	10mm
270		
280		
290		
300		
310		
320		
330		
340		
350		
360		
370		
380		
390		
※405	0.08 ₅	
420	0.54 ₉	0.13 ₅
440	0.87 ₉	0.65 ₁
460	0.95 ₆	0.86 ₁
480	0.97 ₉	0.93 ₂
500	0.98 ₉	0.96 ₄
550	0.99 ₆	0.98 ₈
600	0.99 ₈	0.99 ₃
650	0.99 ₈	0.99 ₂
700	0.99 ₈	0.99 ₆
800	0.99 ₈	0.99 ₆
1060	0.99 ₈	0.99 ₆
1500	0.99 ₈	0.99 ₆
2000	0.99 ₃	0.97 ₇

分散式の常数 Constants of Dispersion Formula	
A0	4.3212036
A1	-3.7611625 × 10 ⁻²
A2	5.2737530 × 10 ⁻²
A3	2.2261813 × 10 ⁻²
A4	-2.9671712 × 10 ⁻³
A5	2.7019555 × 10 ⁻⁴

異常分散性 Deviation of Relative Partial Dispersions	
$\Delta \theta_{C,t}$	-0.0175
$\Delta \theta_{C,A'}$	-0.0131
$\Delta \theta_{g,d}$	0.0536
$\Delta \theta_{g,F}$	0.0484
$\Delta \theta_{i,g}$	

機械的性質 Mechanical Properties	熱的性質 Thermal Properties
ヌープ硬さ Hk Knoop Hardness 416 (4)	転移点 Tg (°C) Transformation Point 425
ビッカース硬さ Hv Vickers Hardness 434	屈伏点 At (°C) Yielding Point 449
磨耗度 Ha Abrasion 305	線膨張係数 $\alpha \times 10^{-7}$ Thermal Expansion (-30~+70°C) 98
ヤング率 E (10 ⁸ N/m ²) Young's Modulus 750	(+100~+300°C)
剛性率 G (10 ⁸ N/m ²) Modulus of Rigidity 298	備考 Remarks ※1
ポアソン比 σ Poisson Ratio 0.260	その他 Other Properties
化学的性質 Chemical Properties	泡 B Bubble
耐水性(粉末法) RW Water Resistance 1	着色度 C Coloration (48)/42
耐酸性(粉末法) RA Acid Resistance 3	比重 S.g Specific Gravity 7.06
耐久性(表面法) DW Chemical Durability 1	脈理 S Striae

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Remarks *1

Depending on processing conditions, this material tends to suffer the solarization

A mark (*) in the column at 405nm

Indicating 405nm value instead of 400nm, since the value at 400nm is too small.