Glass Type E-FKH2

Code(d) 456913
Code(e) 457909

nd	1.45600	νd	91.31	nF-nC	0.004994
ne	1.45719	νe	90.88	nF'-nC'	0.005031

Refractive Indeces

	λ (μm)	
nA'	0.768195	1.45271
nr	0.706519	1.45359
nC	0.656273	1.45447
nC'	0.643847	1.45471
nHe-Ne	0.63280	1.45494
nD	0.589294	1.45596
nd	0.587562	1.45600
ne	0.546074	1.45719
nF	0.486133	1.45946
nF'	0.479992	1.45974
ng	0.435835	1.46213
nh	0.404656	1.46433

Abbe Nunber

νd	91.31
νe	90.88
νg	74.34

Constants of Dispersion Formula

A_0	2.10176037E+00
A_1	-4.75364874E-03
A_2	6.56506916E-03
A_3	1.10380259E-04
A_4	-6.14897591E-06
A_5	3.33432784E-07
A_6	0.00000000E+00

Mechanical Properties

Specific Gravity SG	3.68
Bubble Quality Group B	

Partial Dispersions

nd-nC	0.001530
ne-nd	0.001193
ng-nd	0.006134
ng-nF	0.002670
nd-nC'	0.001286
nF'-nd	0.003745

Relative Partial Dispersions

P d,C	0.3064
P e,d	0.2388
P g,F	0.5346
P'd,C'	0.0000
P'e,d	0.0000
P'g,F'	0.0000

Deviation of Relative Partial Dispersions ΔP from"Normal"

ΔP g,d	0.0559
ΔP g,F	0.0435

Thermal Properties

Transformation Temperature	Tg (°C)	461
Yield Point	At (°C)	490
Expansion Coefficients	α (°C)	160

Chemical Properties

Water Resistance(Powder)WR(P	1
Acid Resistance(powder)AR(P)	3

Mechanical Properties

Knoop Hardness	Hk	335(3)
Abrasion	A	484
Young's Modulus	E	
Rigidity Modulus	G	
Poisson's Ratio	ν	
Photoelastic Constant	β	

Coloring

$λ_{80}/λ_5$	35/30
$λ_{70}/λ_5$	

Internal Transmittance

$λ_{80}/λ_5$	343/295
λ (nm)	τ 10mm
280	0.01
290	0.03
300	0.09
310	0.22
320	0.42
330	0.61
340	0.76
350	0.86
360	0.922
370	0.953
380	0.974
390	0.983
400	0.987
420	0.99
440	0.99
460	0.992
480	0.993
500	0.994
550	0.994
600	0.993
650	0.991
700	0.99
800	0.99
900	0.99
1000	0.993
1200	0.996
1400	0.996
1600	0.995
1800	0.994
2000	0.995
2200	0.995
2400	0.994

※本データは、改良等のため予告なく変更される場合があります。