

MEC1

left-handed (LAD-C) notation

solvogel synthesis: 2014/4/27

take size: 2014/5/17

PS mold size: 96.25 mm

S.C.D. completion: 2014/5/15

optical measurement: 2014/5/16

ID		MEC1-1a	MEC1-1b	MEC1-1c	
ref.index @405nm (absolute)		1.0450	1.0450	1.0449	
trans.length @400nm		[mm] 46.4	45.4	46.1	
size	dimension	[mm] 93.5	93.5	93.5	
	thickness	10.1	10.3	10.1	
	volume	[cm ³] 88	90	89	
density		[g/cm ³] 0.152	0.152	0.153	
k @405nm		[cm ³ /g] 0.296	0.296	0.293	
total error of ref.index		0.0011	0.0009	0.0009	
error	ref.index @405nm		0.0003	0.0004	0.0003
	ref.index @405nm		0.0011	0.0008	0.0008
resolution of measurement	trans.length	[mm] 1.4	1.3	1.4	
	volume	[cm ³] 2	2	2	
	density	[g/cm ³] 0.004	0.004	0.004	
	spot radius @405nm	[mm] 4	3	3	
aerogel-screen distance		[mm] 1823	1823	1823	
spot shift (right) @405nm	corner α	[mm] 168.5	165.5	165.5	
	corner β	166.0	168.0	166.0	
	corner γ	166.5	169.0	167.0	
	corner δ	168.5	166.0	168.5	
transmittance @400nm		[%T] 80.5	79.8	80.3	
demension (detail)	A	[mm] 93.50	93.50	93.50	
	B	93.50	93.50	93.50	
	C	93.50	93.50	93.50	
	D	93.50	93.50	93.50	
long.shrink.ratio		0.971	0.971	0.971	
thickness (detail)	a	[mm] 10.00	10.25	10.25	
	b	10.25	10.00	10.00	
	c	10.00	10.25	10.00	
	d	10.00	10.50	10.25	
weight		[g] 13.37	13.63	13.55	
crack		free	free	free	
remark					