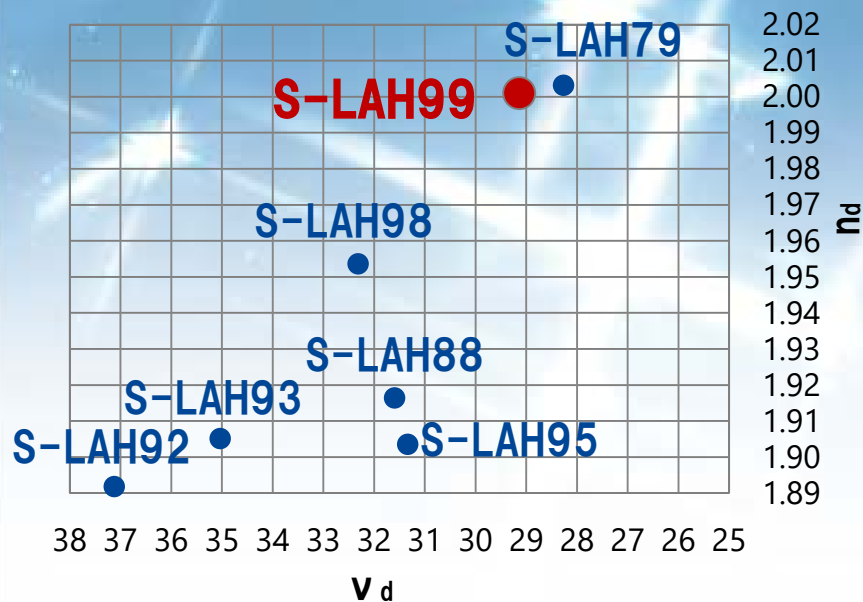


S-LAH99 High transmittance & Low specific gravity in S-LAH79 region

Properties

1. High refractive indices & Low dispersion
 $\Rightarrow n_d$ 2.00100 · v_d 29.14
2. High Transmittance
 \Rightarrow much higher than S-LAH79
3. Low Specific Gravity
 \Rightarrow good for lighting lenses



		S-LAH99	S-LAH79
n_d		2.00100	2.00330
v_d		29.14	28.27
$\theta_{g,F}$		0.5997	0.5980
$\Delta \theta_{g,F}$		0.0054	0.0023
CTE α ($10^{-7}/^{\circ}\text{C}$)	-30~70°C	75	60
	+100~300°C	88	71
T_g (°C)		725	699
A_t (°C)		761	731
Coloring	λ_{70}	425	460
	λ_5	360	370
Chemical Properties	Water Resistance RW (P)	1	1
	Acid Resistance RA (P)	1	1
	Weathering Resistance W (S)	1	2
	Acid Resistance [SR]	2.0	1.0
	Phosphate Resistance [PR]	1.0	1.0
Specific Gravity		5.02	5.23
Knoop Hardness Hk [Class]		650 [7]	700 [7]
Abrasion Aa		61	61

S-LAH99 Internal Transmittance

