

S-LAL7Q improved on processability and durability

Properties

1. Improved durability

⇒ **RW (P) : from class 3 to class 2**

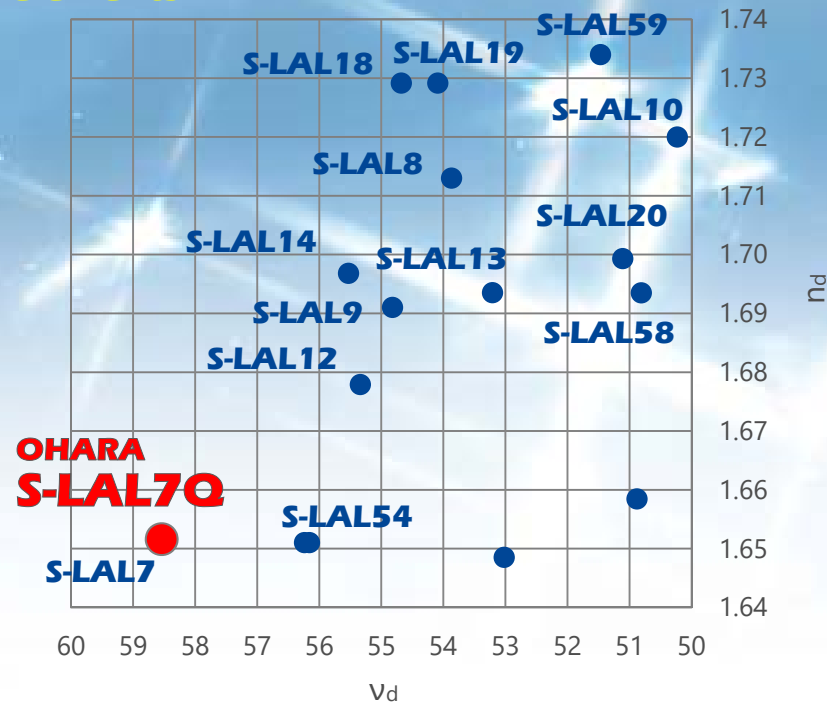
RA (P) : from class 5 to class 4

Abrasion Aa : from 136 to 75

2. Lower Specific Gravity

⇒ **good for making the weight of lenses**

lower for in particular heavier lens elements



		S-LAL7Q	S-LAL7
nd		1.65160	1.65160
Vd		58.54	58.55
$\theta_{g,F}$		0.5390	0.5425
$\Delta\theta_{g,F}$		-0.0078	-0.0042
CTE $\alpha(10^{-7}/^{\circ}\text{C})$	-30~70°C	55	67
	+100~300°C	70	81
Tg(°C)		620	617
At(°C)		646	658
Colorin g	$\lambda_{80}(\lambda_{70})$	365	345
	λ_5	-	275
Chemical Properties	RW(P)	2	3
	RA(P)	4	5
	W(S)	3	2~3
	SR	52.0	53.0
	PR	4.0	4.0
Specific Gravity		3.24	3.73
Knoop Hardness Hk [Class]		680[7]	560[6]
Abrasion Aa		75	136