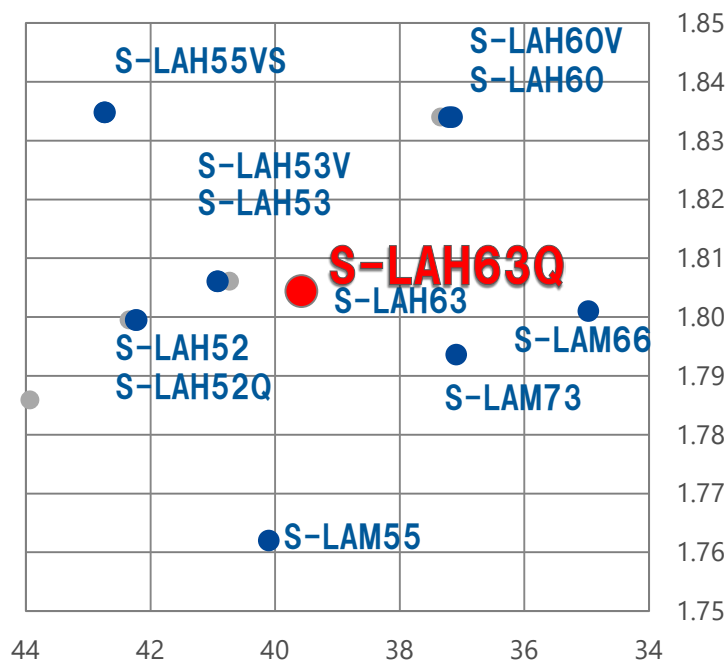


# S-LAH63Q with the lowest positive dn/dT at LAH region

## Properties

1. The lowest positive dn/dT at LAH region
2. Higher CTE at LAH region
3. Lower  $\theta_{c,t}$
4. Equivalent to S-LAH63 (nd &  $\nu_d$ )



		S-LAH63Q	S-LAH63
$n_d$		1.80440	1.80440
$\nu_d$		39.58	39.59
$\theta_{g,F}$		0.5762	0.5729
$\Delta \theta_{g,F}$		-0.0012	-0.0045
dn/dT (Dline 40°C ~ 60°C)		1.6	7.5
CTE $\alpha$ ( $10^{-7}/^\circ\text{C}$ )	-30~70°C	79	58
	+100~300°C	93	70
Tg (°C)		669	607
At (°C)		701	630
Coloring	$\lambda_{80} (\lambda_{70})$	415	410
	$\lambda_5$	345	340
Chemical Properties	RW (P)	1	1
	RA (P)	3	3
	W (S)	3	1
	SR	51.2	4.2
	PR	1.0	1.0
Specific Gravity		4.45	4.34
Knoop Hardness Hk [Class]		580 [6]	640 [6]
Abrasion Aa		121	82

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