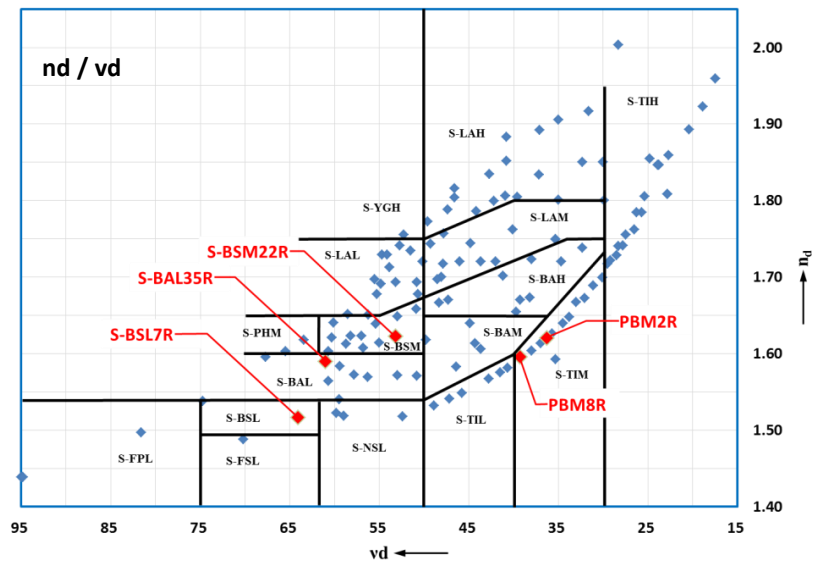


# Non-Browning Optical Glass

For optical elements used in high radiation environment, i.e. nuclear plant or space, we offer our non-browning optical glasses.

The special composition of these glass types, doped with Cerium-oxide, avoids browning effects due to radiation.

These glass-types are marked with R.



## Optical properties

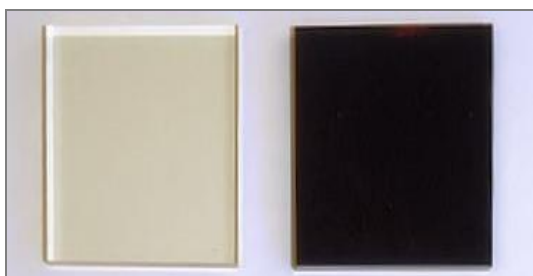
## Other

Glass type	Refractive index				Abbe number vd	Transmittance (nm) Thickness 10mm (λ80%/λ5%)	Specific gravity d
	n <sub>C</sub> (656nm)	n <sub>d</sub> (588nm)	n <sub>F</sub> (486nm)	n <sub>g</sub> (436nm)			
	S-BAL35R	1.58618	1.58913	1.59584			
S-BAL7R (*)	1.51386	1.51633	1.52191	1.52621	64.1	408 / 365	2.50
S-BAL22R (*)	1.61877	1.62230	1.63047	1.63696	53.2	477 / 408	3.24
PBAL2R (*)	1.61502	1.62004	1.63211	1.64207	36.3	446 / 284	3.59
PBAL8R (*)	1.59103	1.59551	1.60620	1.61495	39.3	432 / 376	3.35

(\*) under R & D

> properties are measured at 25 Deg C

> values may change, due to development



S-BAL35R

S-BAL35

Colour - Comparison after radiation γ line (2MGy)

### Transmittance @

#### 500nm

S-BAL35R : 82%

S-BAL35 : 1%

## 2MGy S-BAL35R v.s. S-BAL35 (10mm<sup>t</sup>)

