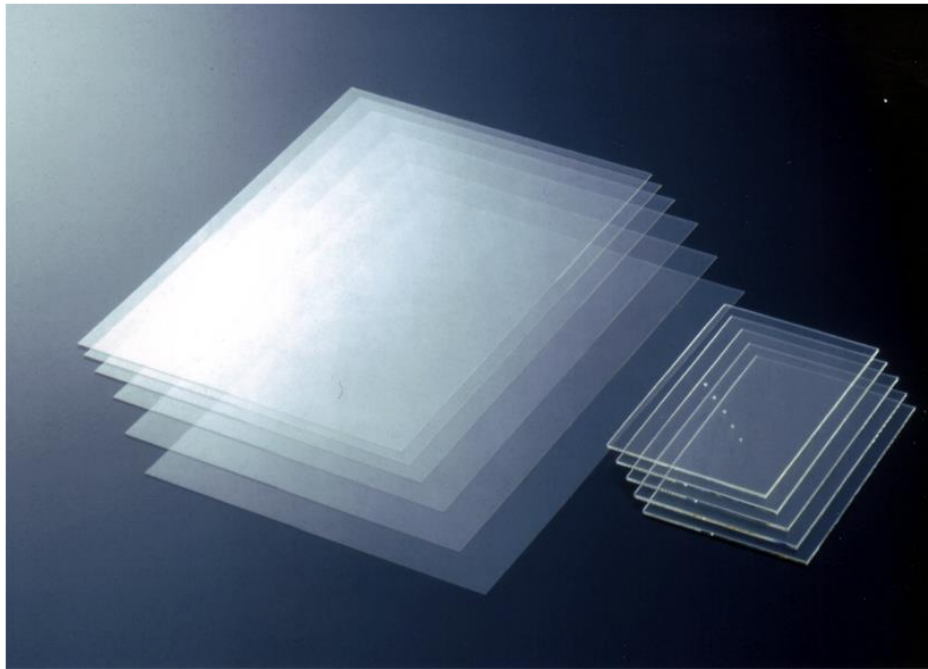


Segment : Substrate for sealing

MATSUNAMI GLASS IND., LTD.

Products : 307 (Steel/Nickel sealing)

700 (Kovar sealing)



< Characteristics >

Product name	307
Refractive index (nD)	1.521
Expansion coefficient α [10 ⁻⁷ /°C]	89 (100/300)
Transition point Tg [°C]	513
Deformation point At [°C]	550
Softening point Ts [°C]	689
Knoop hardness Hk	517(100g/15sec)
Density [g/cm ³]	2.56
Color	Achromatic
Composition type	Borosilicate
Young's modulus[10 ³ kg/mm ²]	—
Poisson's ration	—
RoHS regulated substances	Not contained
Halogenated substances	Not contained
Antimony compound	Not contained

Product name	700
Refractive index (nD)	1.489
Expansion coefficient α [10 ⁻⁷ /°C]	50 (100/300)
Transition point Tg [°C]	501
Deformation point At [°C]	545
Softening pont Ts [°C]	704
Knoop hardness Hk	476 (100g/15sec)
Density [g/cm ³]	2.31
Color	Achromatic
Composition type	Borosilicate
Young's modulus[10 ³ kg/mm ²]	6.30
Poisson's ration	0.22
RoHS regulated substances	Not contained
Halogenated substances	Not contained
Antimony compound	Contained