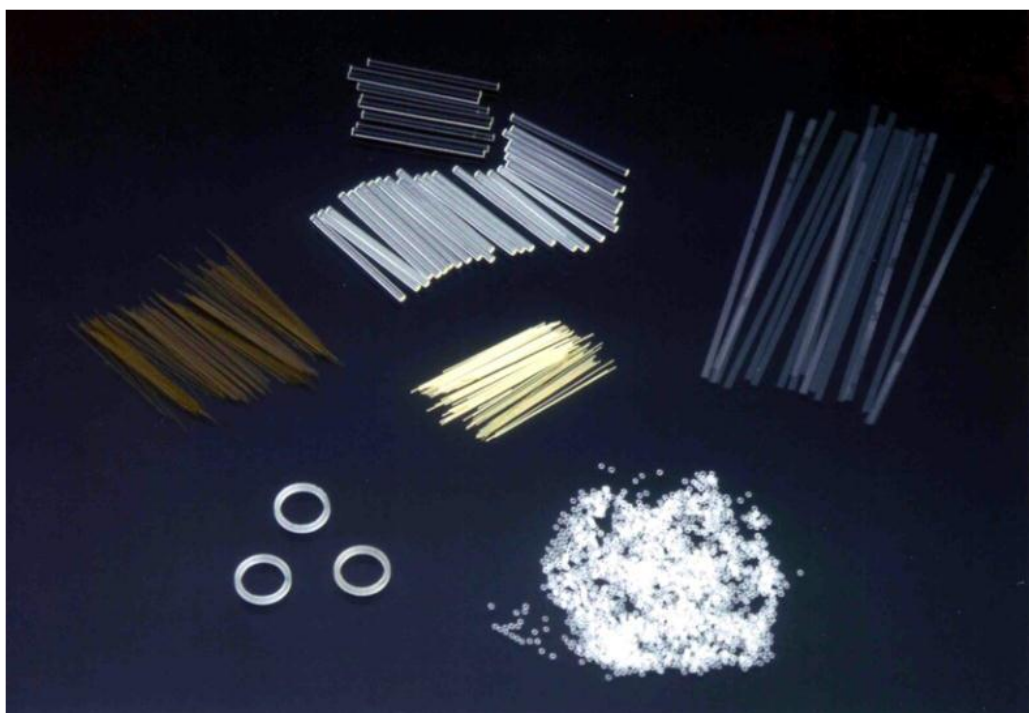


Segment : Sealing (low melting point)

MATSUNAMI GLASS IND., LTD.

Products : BZ-5, BZ-5D



< Characteristics >

Product name		BZ-5
Refractive index (nD)		—
Expansion coefficient $\alpha[10^{-7}/^{\circ}\text{C}]$		92.0 (100/300)
Transition point Tg [$^{\circ}\text{C}$]		417
Deformation point At [$^{\circ}\text{C}$]		445
Softening point Ts [$^{\circ}\text{C}$]		470
Working temp. Tw [$^{\circ}\text{C}$]		500
Knoop hardness Hk		— (100g/sec)
Density [g/cm ³]		6.46
Color		Yellowish
Composition type		Bismuth-Silicate
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)		Not contained
Halogenated substances (F,Cl,Br,I)		Not contained
Antimony compound		Not contained

Product name		BZ-5D
Refractive index (nD)		—
Expansion coefficient $\alpha[10^{-7}/^{\circ}\text{C}]$		112 (100/300)
Transition point Tg [$^{\circ}\text{C}$]		350
Deformation point At [$^{\circ}\text{C}$]		375
Softening point Ts [$^{\circ}\text{C}$]		400
Working temp. Tw [$^{\circ}\text{C}$]		470
Knoop hardness Hk		— (100g/15sec)
Density [g/cm ³]		7.10
Color		Yellowish
Composition type		Bismuth-Silicate
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)		Not contained
Halogenated substances (F,Cl,Br,I)		Not contained
Antimony compound		Not contained