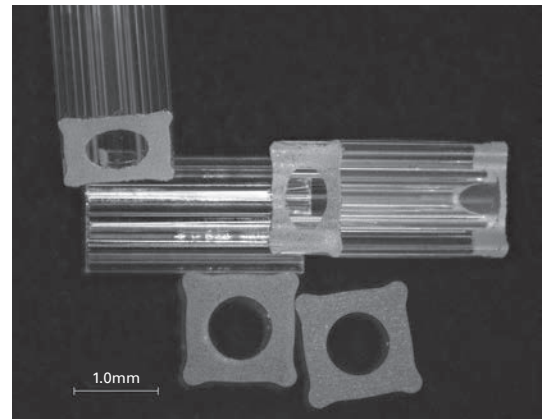
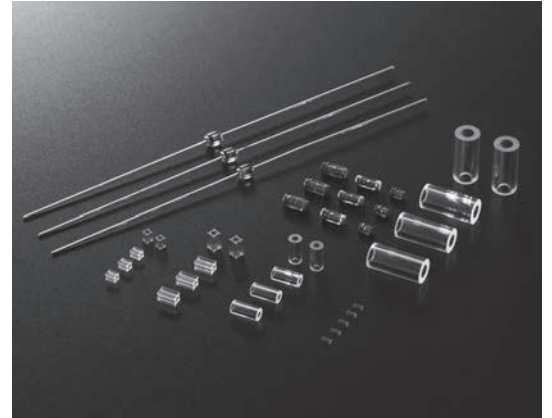


Glass Sleeves for Low Temperature Sealing

LG-16 has long been used in encapsulation of thermistors. NLT-600 is Pb-free glass and environment friendly. The acid resistance level of NLT-600 is equivalent to that of Pb glass and LG-16. We can supply not only round type glass tubes but also square type glass tubes. Square glass tubes can be mounted securely without shifting or falling.

Features

- Low sealing temperatures
- Good acid resistance in plating process
- Excellent electrical characteristics

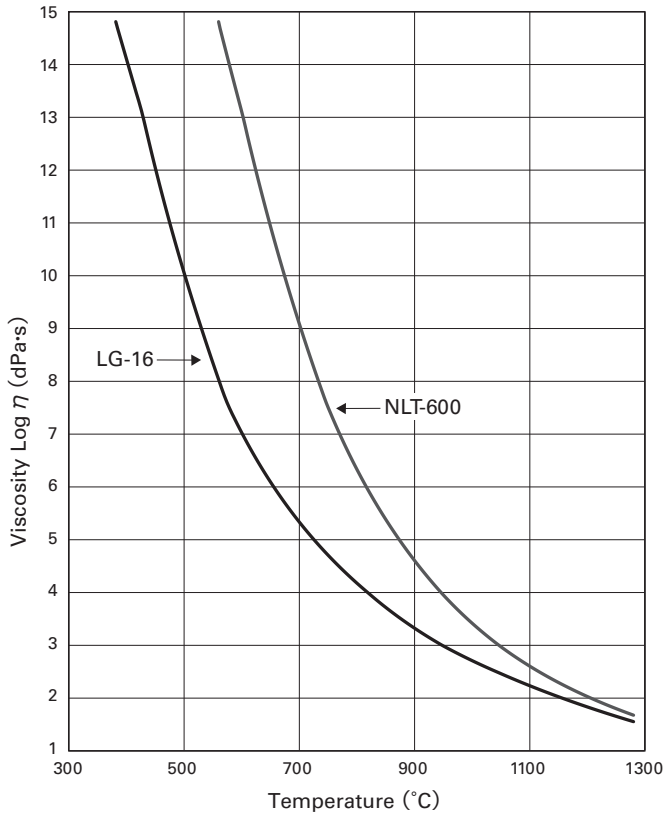


Square glass tube

Properties

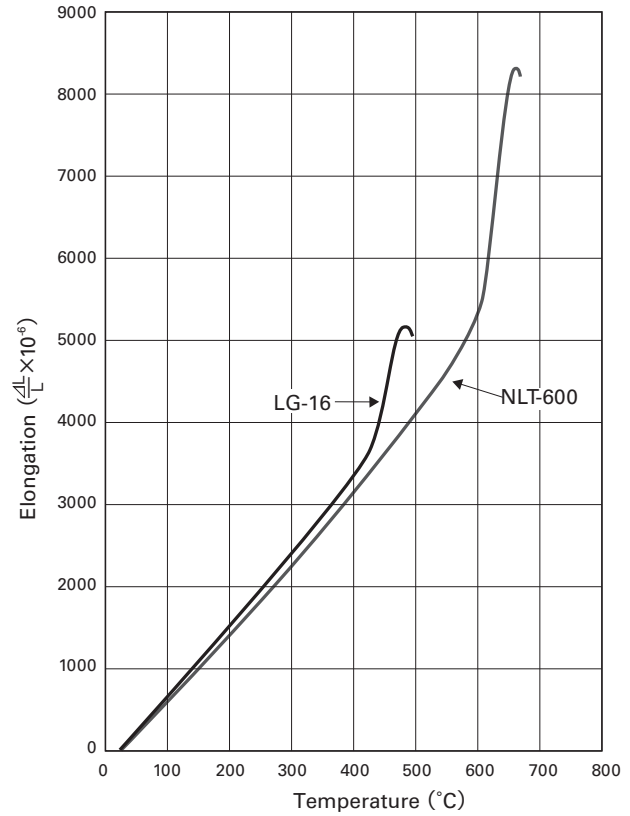
Properties/Glass Code			LG-16	NLT-600 (Pb-free)
Coefficient of thermal expansion	30-380°C	$\times 10^{-7}/K$	91	85
Density		$\times 10^3 \text{kg/m}^3$	4.31	3.09
Strain point		°C	390	567
Annealing point		°C	430	603
Softening point		°C	575	747
Sealing temperature		°C	655	817
Working point		°C	820	947
Volume resistivity Log ρ	150°C	$\Omega \cdot \text{cm}$	14.8	18.0
	250°C	$\Omega \cdot \text{cm}$	11.7	14.0
Dielectric constant	1MHz, 25°C		9.5	7.5
$\tan \delta$	1MHz, 25°C	$\times 10^{-4}$	8	7
Refractive index (n_d)			1.69	1.57
Color			Clear	Clear
Glass type			$\text{PbO} \cdot \text{K}_2\text{O} \cdot \text{SiO}_2$	$\text{BaO} \cdot \text{K}_2\text{O} \cdot \text{B}_2\text{O}_3 \cdot \text{SiO}_2$

Viscosity



The figures on the chart are standard values, therefore the properties are not guaranteed.

Thermal Expansion



The figures on the chart are standard values, therefore the properties are not guaranteed.

Standard Dimensions

Glass Code	Outer Diameter	Inner Diameter	Length (mm)
LG-16	0.55±0.05	0.45±0.05	1.50±0.05
	0.85±0.05	0.70±0.05	1.50±0.05
	1.35±0.05	1.05±0.05	3.00±0.05
	1.78±0.05	0.86±0.05	3.81±0.05
	2.10±0.05	1.30±0.05	5.00±0.05
NLT-600	1.35±0.05	1.05±0.05	3.00±0.05
	2.15±0.05	1.35±0.05	4.00±0.05