

EMPOWERING

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SOLAR EFFICIENCY

S O L A R

SOLAR THERMAL

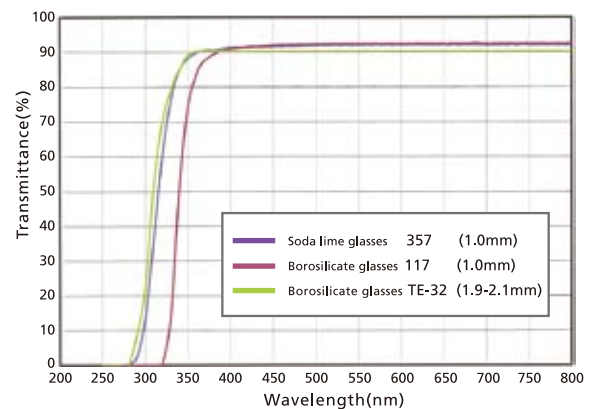
# GLASS TUBES

Asahi Glass Co, Ltd. is supplying various sizes of soda lime and borosilicate glass tubes from 2.0mm to 250mm in diameter. Currently, soda lime glass (357) is applied for fluorescent lamps, and borosilicate glasses (117&TE-32) are applied for cold cathode fluorescent lamps (CCFL) and heat resistant purposes, respectively. Our glass tubes are the promising solution for high-performance solar thermal and photovoltaic power generation system.

## PRODUCT DESCRIPTION

Applications      Solar thermal, etc.

## Transmittance of Tube Glasses



## Properties of Tube Glasses

Physical Properties	TE-32	357	117
$\alpha$ ( $\times 10^{-7}/^{\circ}\text{C}$ )*	32.5	96	51
Softening Point $T_s(^{\circ}\text{C})$	821	692	715
Strain Point $Sp(^{\circ}\text{C})$	510	483	459
Annealing Point $Ap(^{\circ}\text{C})$	560	521	501
Density $\rho$ ( $\text{g}/\text{cm}^3$ )	2.23	2.25	2.34

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