



PRODUCT DATA SHEET

G-15557 GLASS TRANSFER TAPE

General Information

G-15557 Glass Transfer Tape is specifically designed for sealing and joining soda lime (window) glass. The product may also be used for glazing, sealing and joining other materials (such as low expansion metals and ceramics) having a $\sim 89 \times 10^{-7}$ coefficient of expansion. G-15557 is very useful for sealing flat panel displays such as digital or liquid crystal types.

Physical Properties

Glass Family.....	Lead Borate
Glass Type.....	Vitreous
Color of Final Seal.....	Light Gray
Density.....	5.7 gm/cc
Annealing Point.....	$\sim 370^{\circ}\text{C}$
Softening Point.....	$\sim 415^{\circ}\text{C}$
Coefficient of Thermal Expansion.....	89×10^{-7} in/in/ $^{\circ}\text{C}$

Sealing Procedures

1. Start at room temperature with 5-20 psi of pressure on the parts to be sealed to insure proper flow of the molten glass.
2. Heat to 450°C in 30-50 minutes using air or an inert gas atmosphere.
3. Hold at 450°C for 15 minutes.
4. Cool slowly; minimum cooling time is 30-50 minutes. Slower cooling (such as overnight) is also suitable.

The above firing cycle is a general recommendation. The amount of weight needed and mass of the parts to be sealed may require longer or shorter heat-ups and holds. A higher final temperature may require a shorter hold. Experiment to determine the ideal cycle for your particular sealing requirement.

Ordering Information

G-15557 Glass Transfer Tape is made to order. Thicknesses of .004"-.006" are generally recommended for sealing soda lime glass. Maximum width is 24". For larger production runs, preforms from G-15557 tape may be punched to order. The tape is available slit to any width (.125" minimum). Please phone or fax additional information and pricing.



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