HOME APPLIANCES GLASS

Glass performs important functions in home appliances glass: It gives an appliance its unique look, in many cases, it defines the visual appearance of an entire appliance family especially those for cooking and baking, and it is crucial for the user concept as well as the function of an oven door through controlling the temperature and achieving a view inside the cavity.

The right glass offers distinctive design, temperature control, safety and, of course, the clarity to see if your food is ready.

Sphinx Glass products (Trulite Clear 4mm & 5mm and Solarlite Clear 4mm and 5mm) have been used in home appliances glass since the 2010, and today we partner with leading manufacturers to help craft their latest innovative offerings. Our glass enables beautiful, consistent design and unique user experiences, while our coatings gives an appliance its unique look. It enhances the concept as well as the function of an oven door, specifically: controlling the temperature, achieving a view inside the cavity.

APPLICATIONS

Trulite Clear: Performance Data for Monolithic Glass.

Glass Configuration	UV	Visible Light				Solar Energy						
Trulite Clear Monolithic	Transmittance %	Transmittance %	Reflectance, Ext. %	Reflectance, Int. %	Color Render Index Ra (D65) %	Transmittance %	Reflectance %	Absorption %	Solar Factor EN410	SHGC	SC	U-Value W/M2K
4 MM	62	90	9	9	99	84	9	7	0.86	0.85	0.99	5.8
5 MM	59	89	9	9	98	82	9	9	0.85	0.84	0.98	5.8

Solarlite Clear: Performance Data for Monolithic Glass.

Glass Configuration	UV	Visible Light			Solar Energy						
Solarlite Clear	Transmittance %	Transmittance %	Reflectance, Ext. %	Reflectance, Int. %	Transmittance %	Reflectance %	Absorption %	Solar Factor	SHGC	SC	U-Value W/M2K
4 MM	17	35	29	37	44	24	32	0.49	0.50	0.57	5.8
5 MM	17	35	29	37	42	23	35	0.48	0.49	0.56	5.7

- Performance data is based on representative samples of factory production. Actual values may vary slightly due to variations in the production process.
- Tabulated data is based on NRFC methodology using the LBL windows 5.2 software and where noted European methodology using WinDat WIS version 3.0.1 software.
- SF = Solar Factor (EN410) also known as g-value.