



Transparent Glass-Ceramic

Engineered for the extreme.

Transparent glass-ceramic was conceived in order to meet the requirements of the market for domestic heating appliances (such as fireplaces, freestanding stoves and fireplaces inserts).

The use of Keralite® glass-ceramic becomes necessary when the safety needs or thermal stress considerations exceed the capabilities of traditional glasses.

Thanks to thermal expansion coefficient close to 0, the Keralite® glass-ceramic withstands very high temperature levels up to 700°C (1292°F) in continuous use, as well as high thermal shocks.

Characteristics



- Available in sheets or cut parts
- Thickness 4 or 5 mm



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Technical Data

PROPERTY	VALUE
Maximum temperature for continuous use (°C)	700
Time limited peak use (°C)	800
Thermal shock resistance (°C)	800
Resistance to thermal gradients ΔT (°C)	700
Coefficient of expansion (20° to 700°C)	$\pm 3.0 \times 10^{-7} \text{ K}^{-1}$
Mean specific heat (20° to 100°C)	0.8 (J/g. K)
Thermal conductivity (W/m.K)	1.5

Options

Many options possible, including: flat or curved, printing, logo, drilling or notching, coatings, and more.

Important

- The Keralite® glass-ceramic is not a standard glass and must never be discharged in glass recycling containers.
- Do not use Keralite® for equipment using liquid fuel containing sulphur, such as domestic fuel oil.
- When cleaning, do not use strong alkalis, acids, detergents with fluoride, detergents with mechanical devices (sand etc.) nor other mechanical millinery or solvents.



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