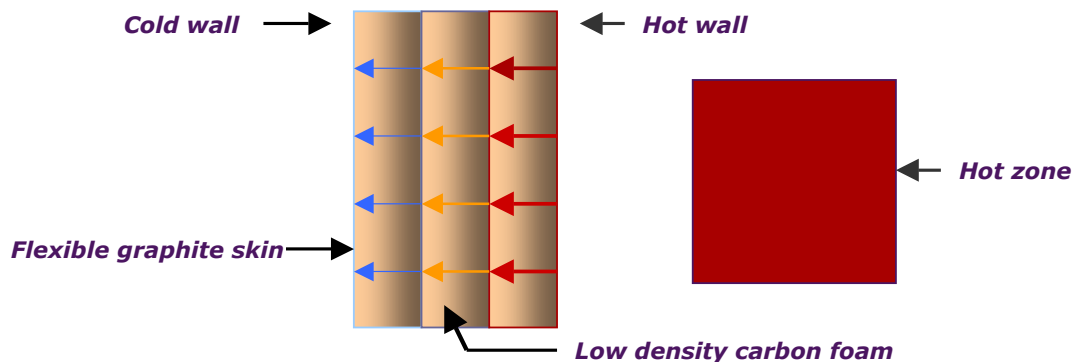


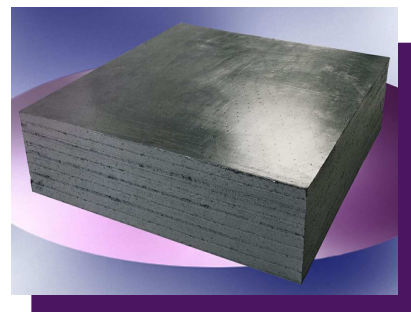


## DISTINCTIVE FEATURES

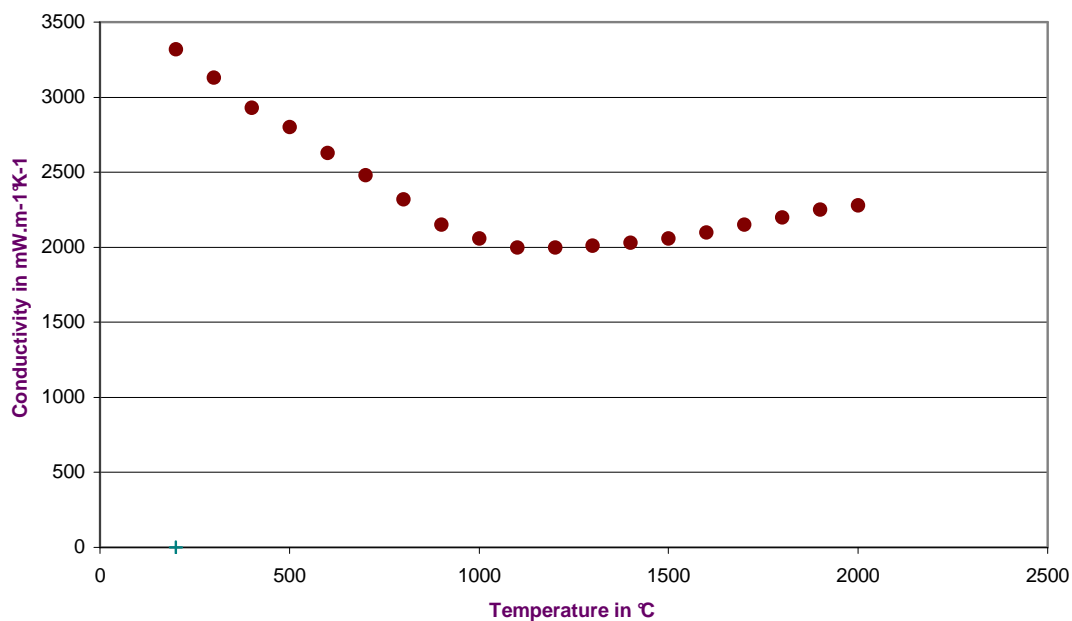
- **ISOLOR<sup>®</sup>** is a patented product designed for **long duration** in **extreme temperature and vacuum** environments.
- **ISOLOR<sup>®</sup> S10** is a **sandwich material** with inside layers made from **flexible graphite** and core with **low density carbon foam**.



- **Carbon foam** allows low **thermal conductivity** at temperature above 1,000°C (thermal conductivity at 1,000°C (N<sub>2</sub>) = 2 W/mK).
- Outside layers allow **high resistance** to chemical reaction and low particle emission.
- Lightweight and self-standing construction, thanks to a flexural strength of 1 Mpa, enables **easy installation**.
- Anisotropic material, but **uniformity** throughout the plan lends itself to **excellent temperature control** throughout the entire zone.
- **Purification** possible to lower ash content < 20 ppm.
- Easy **machining**.
- **Sizes**
  - 1,000 x 1,000 x 10 mm
  - 1,000 x 1,000 x 20 mm
  - 1,000 x 1,000 x 40 mm



## ISOLOR® S10PT



Above data were obtained using Guarded hot plate method according to Standard ASTM C177.

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