



A Performance of the highest calibre

Introducing Our Highest Performance Spacer Tube Yet



ThermoBar
Warm Edge Spacer Tube

- ✓ Guaranteed to match or improve your current energy rating
- ✓ Can be substituted for all other types of spacer bar in WER simulations
- ✓ Staple fittings - no cracking!
- ✓ Virtually eliminates condensation on the inner edge of the unit
- ✓ No costly investment on machinery

The UK's leading supplier of glass sealed unit components and sealed unit manufacturing machinery

Call 0845 331 3950 or visit thermosealgroup.com for a fully interactive flash presentation including downloadable technical information.

THERMOSEAL
GROUP

30 YEARS OF QUALITY



TDSTH01
19.08.10

Technical Data

Thermobar

Warm Edge Spacer Tube

Name and Compound

Thermobar (PP GF 40)

Designation: ISO 1873-PP-H, ECL, GF 40

Density: $1,25 \pm 0,03 \text{ g/cm}^3$

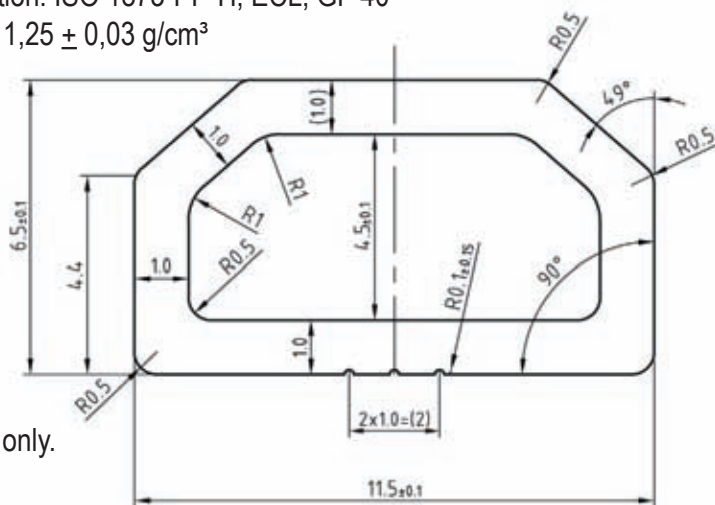
Total Conductivity Value (2 sides including film):

$\lambda = 0.13 \text{ W/(m.K)}$

Reference Report No. CPM 10/260-24969

Thermobar complies with EN1279 pt.2/3
with all sealant types.

Thermobar LITE (version with no backing film)
complies with EN1279 pt.2 with hotmelt sealants only.



Mechanical Properties

Dry as moulded, mean values at 23°C			Injection Moulded Samples
Tensile strength	ISO 527	MPa	≥ 45
Modulus of elasticity in tension	ISO 527	MPa	≥ 5200
Tensile strain at break	ISO 527	%	$\geq 1,5_{-5}$
Impact strength	ISO 179	KJ/m ²	≥ 8

Thermal Properties

Coefficient of linear thermal expansion (in longitudinal direction)		$\sim 2,0 * 10^{-5} / \text{K}$
Melting Point	ISO 3146	$> 160^\circ\text{C}$
Maximum Surface Temperature	at 5 000 h at 20 000 h	$\sim 105^\circ\text{C}$ $\sim 95^\circ\text{C}$
Temperature of deflection under load (1,8 MPa)	DIN EN ISO 75	$\geq 118^\circ\text{C}$

Double Sided Polyester Film with Modified Acrylic Adhesive (Does not apply to Thermobar LITE)

Key Features:

- The modified acrylic adhesive is distinguished by high initial adhesion and enters into the pores and cell structure of materials due to its soft consistency. The effective bonding surface is therefore greatly increased.
- Resistant to ageing and UV radiation.
- Film Thickness 18 microns.

These details are based on our current knowledge. Therefore, it is not intended to assure legally binding or to guarantee the nature of the products, the trade capability of the products and the suitability for a certain use.
We reserve the right to make technical alterations.

