

# THERMOSTOP®-PLUS

## Technical data for THERMOSTOP®-PLUS thermal isolator (1 – 10 mm)

Material: hard PVC with closed-cell foam

Thickness	Compressive strength, elastic range based on DIN EN ISO 844	Compressive stress at 30% compression based on DIN EN ISO 844
1 – 2 mm	> 6 N/mm <sup>2</sup>	> 12 N/mm <sup>2</sup>
3 mm	> 8 N/mm <sup>2</sup>	> 15 N/mm <sup>2</sup>
4 mm	> 11 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
5 mm	> 11 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
6 mm	> 13 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
8 mm	> 13 N/mm <sup>2</sup>	> 18 N/mm <sup>2</sup>
10 mm	> 14 N/mm <sup>2</sup>	> 19 N/mm <sup>2</sup>

<b>Bulk density</b>	> 0.70 g/cm <sup>3</sup>	Per DIN EN ISO 1183-1
<b>Elastic modulus (from tensile tests)</b>	1000 N/mm <sup>2</sup>	Per ISO 527-2
<b>Linear coefficient of expansion -30°C to +50°C</b>	0.08 mm/m°C	Per ISO 11359-2
<b>Shore hardness</b>	~ 60	Per DIN ISO 48-4
<b>Vicat softening temperature VST Vicat A</b>	76 °C	Per ISO 306 method A50
<b>Thermal conductivity</b>	0.08 – 0.09 W/mK	Per DIN EN 22007-4
<b>Water absorbtion after 7 days</b>	< 0.3%	Per DIN EN ISO 62
<b>Fire class</b>	B1 S.3 Class 1 M1 Classe 1 V0-5V C-s3, d0	Per DIN 4102-1 (DE) Per VKF (CH) Per BS 476, Part 7 (UK) Per NFP 92-501 (FR) Per UNI 8457 & 9174 (IT) Per UL 94 (USA) Per DIN EN 13501-1 (Europe)

All values are approximate and may vary depending on the processing methods used and the sample or test item.

## Sales Europe

### TECAID

TECaid e.V.  
Akazienweg 6  
D-79798 Jestetten  
Germany

Ph. +49 7745 919 539

info@thermostop-plus.com  
www.thermostop-plus.com

## Switzerland

### LIICHTBLICK

Werkstätte Liechtblick  
Amsler-Laffon-Strasse 1  
CH-8200 Schaffhausen  
Switzerland

Ph. +41 52 630 07 10

info@thermostop-plus.com  
www.thermostop-plus.com

### ECOLIT

Ecolite AG  
Fosbergstrasse 16  
CH-8633 Wolfhausen  
Switzerland

Ph. +41 55 240 84 52

info@thermostop-plus.com  
www.thermostop-plus.com